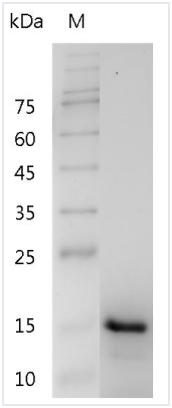
IL-17F Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	IL-17F, Recombinant Protein
Full Product Name	Human IL-17F Protein, His tag (Animal-Free)
Product Gene Name	IL-17F recombinant protein
Product Synonym Names	IL-17F; IL 17F; interleukin 17F; CANDF6; IL17; IL17F; ML-1; ML1
Sequence	Arg31-Gln1 63
Host	E coli
Form/Format	Lyophilized from sterile 20mM sodium citrate, pH 4.0.
Purity/Purification	>98 % as determined by SDS-PAGE
Preparation and Storage	Lyophilized protein product should be stored desiccated below -18 degree C. Upon reconstitution, the protein should be stored at 4 degree C between 2-7 days and for future use below -18 degree C. For long term storage it is recommended to add a carrier protein (5% HSA,10% FBS or 0.1%BSA). Please prevent freeze-thaw cycles. Shipping: Gel pack with blue ice.
Molecular Weight	18,045 Da
Sequence Positions	133aa
OMIM	606496
3D Structure	ModBase 3D Structure for Q96PD4
Species	Human
Tag	His tag
Endotoxin	<0.1 EU per ug of the protein as determined by the LAL method.
Activity	Measure by its ability to induce IL-6 secretion in 3T3 cells. The ED?? for this effect is <20ng/mL.
Protein Construction	The recombinant Human IL-17F consists of 133 amino acids and predicts a molecular mass of 15.84kDa. Amino acid sequence derived from Human IL-17F (Arg31-Gln163)(Q96PD4) was expressed with 6×His tag at the C-terminus.
Usage Notes	Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized recombinant protein to a concentration of 0.1-1mg/mL using the buffer we provided, and keep at room temperature for at least 20 min to fully dissolve. Please avoid vortex vigorously.
Product Categories/Family for IL-17F recombinant protein	Cytokines and proteins
Related Product Information for IL-17F recombinant protein	Interleukin 17F (IL-17F) predicts a molecular mass of 30.1 kDa, is a cytokine of innate and adaptive immune system involved in antimicrobial host defense and maintenance of tissue integrity. It is involved in the development of inflammation and host defense against infection by inducing the expression of genes that encode other proinflammatory cytokines, such as tumor necrosis factor, interleukin 1, interleukin 6 and some members of the colony-stimulating factor family.
Other Notes	Small volumes of IL-17F recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for IL-17F purchase	MBS9719754 is a recombinant protein targeting IL-17F. Also known as Human IL-17F Protein, His tag (Animal-Free). Host: E coli.



Testing Data of IL-17F recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL-17F. It may not necessarily be applicable to this product.

NCBI GI #	16418375
NCBI GeneID	112744
NCBI Accession #	NP_443104.1
UniProt Primary Accession #	Q96PD4
UniProt Secondary Accession #	Q6NSI0; Q7Z6P4; Q96PI8; Q9NUE6
UniProt Related Accession #	Q96PD4
GenBank Nucleotide #	NM_052872.3
NCBI Official Full Name	interleukin-17F
NCBI Official Synonym Full Names	interleukin 17F
NCBI Official Symbol	IL17F
NCBI Official Synonym Symbols	ML1; ML-1; CANDF6; IL-17F
UniProt Protein Name	Interleukin-17F
UniProt Synonym Protein Names	Cytokine ML-1
Protein Family	Interleukin
UniProt Gene Name	IL17F
UniProt Synonym Gene Names	IL-17F
UniProt Entry Name	IL17F_HUMAN
NCBI Protein Information	interleukin-17F; cytokine ML-1
NCBI Summary for IL-17F	The protein encoded by this gene is a cytokine that shares sequence similarity with IL17. This cytokine is expressed by activated T cells, and has been shown to stimulate the production of several other cytokines, including IL6, IL8, and CSF2/GM_CSF. This cytokine is also found to inhibit the angiogenesis of endothelial cells and induce endothelial cells to produce IL2, TGFB1/TGFB, and monocyte chemoattractant protein-1. [provided by RefSeq, Jul 2008]

UniProt Comments for IL-17F	IL17F: Stimulates the production of other cytokines such as IL- 6, IL-8 and granulocyte colony-stimulating factor, and can regulate cartilage matrix turnover. Stimulates PBMC and T-cell proliferation. Inhibits angiogenesis. Defects in IL17F are the cause of familial candidiasis type 6 (CANDF6). CANDF6 is a rare disorder with altered immune responses and impaired clearance of fungal infections, selective against Candida. It is characterized by persistent and/or recurrent infections of the skin, nails and mucous membranes caused by organisms of the genus Candida, mainly Candida albicans. Belongs to the IL-17 family. Protein type: Secreted; Cytokine; Secreted, signal peptide Chromosomal Location of Human Ortholog: 6p12 Cellular Component: extracellular space; extracellular region Molecular Function: protein homodimerization activity; hematopoietin/interferon-class (D200-domain) cytokine receptor binding; cytokine binding; cytokine activity Biological Process: proteoglycan metabolic process; negative regulation of angiogenesis; regulation of transforming growth factor beta receptor signaling pathway; regulation of interleukin-8 biosynthetic process; lymphotoxin A biosynthetic process; cartilage development; cytokine biosynthetic process; regulation of interleukin-2 biosynthetic process; regulation of granulocyte macrophage colony-stimulating factor biosynthetic process; regulation of interleukin-6 biosynthetic process; positive regulation of transcription from RNA polymerase II promoter; inflammatory response Disease: Candidiasis, Familial, 6
Research Articles on IL-17F	**1.** results suggest that patients carrying a combination of SNPs for TNF-alpha, VEGF-A, and IL-17F of ACGTCT haplotype may have an increased risk of corneal allograft rejection compared with patients carrying other haplotypes
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/il-17f/9719754