IL-22 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	IL-22, Recombinant Protein
Full Product Name	Recombinant Human IL-22 Protein
Product Gene Name	IL-22 recombinant protein
Product Synonym Names	Interleukin-22; IL22; Cytokine Zcyto18; IL-10-related T-cell-derived-inducible factor; IL-TIF; ILTIF; ZCYTO18; UNQ3099/PRO10096
Sequence	Met1-Ile17 9
Host	HEK293 Cells
Form/Format	Lyophilized from sterile PBS, pH 7.4., 5% trehalose, 5% mannitol, 0.01% tween-80.
Purity/Purification	>95 % as determined by reducing SDS-PAGE.
Preparation and Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 degree C. Reconstituted protein solution can be stored at 4-8 degree C for 2-7 days. Aliquots of reconstituted samples are stable at < -20 degree C for 3 months.
Molecular Weight	20,011 Da
Chromosome Location	Chromosome: 12; NC_000012.11 (68642025..68647281, complement). Location: 12q15
OMIM	605330
3D Structure	ModBase 3D Structure for Q9GZX6
Species	Human
Tag	C-His
Endotoxin	<1.0 EU per ug of the protein as determined by the LAL method.
Protein Construction	A DNA sequence encoding the Human IL-22 protein (Q9GZX6)(Met1-Ile179) was expressed with a polyhistidine tag at the C-terminus.$
Product Categories/Family for IL-22 recombinant protein	Cancer; Cardiovascular; Immunology; Cytokines
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for IL-22 recombinant protein	MBS2571297 is a recombinant protein targeting IL-22. Also known as Recombinant Human IL-22 Protein. Host: HEK293 Cells. Cytokine that contributes to the inflammatory response in vivo.
Other Notes	Small volumes of IL-22 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL-22. It may not necessarily be applicable to this product.

NCBI GI #	10092625
NCBI GeneID	50616
NCBI Accession #	NP_065386.1

UniProt Primary Accession #	Q9GZX6
UniProt Related Accession #	Q9GZX6
GenBank Nucleotide #	NM_020525.4
NCBI Official Full Name	interleukin-22
NCBI Official Synonym Full Names	interleukin 22
NCBI Official Symbol	IL22
NCBI Official Synonym Symbols	TIFa; IL-21; IL-22; ILTIF; IL-TIF; IL-D110; zcyto18; TIFIL-23
UniProt Protein Name	Interleukin-22
UniProt Synonym Protein Names	Cytokine Zcyto18; IL-10-related T-cell-derived-inducible factor
UniProt Gene Name	IL22
UniProt Synonym Gene Names	ILTIF; ZCYTO18; IL-22; IL-TIF
UniProt Entry Name	IL22_HUMAN
NCBI Protein Information	interleukin-22; cytokine Zcyto18; IL-10-related T-cell-derived inducible factor; IL-10-related T-cell-derived-inducible factor
UniProt Comments for IL-22	IL22: Cytokine that contributes to the inflammatory response in vivo. Belongs to the IL-10 family. Protein type: Secreted, signal peptide; Cytokine; Secreted Chromosomal Location of Human Ortholog: 12q15 Cellular Component: extracellular space; extracellular region Molecular Function: interleukin-22 receptor binding; cytokine activity Biological Process: cell-cell signaling; response to glucocorticoid stimulus; acute-phase response; inflammatory response
Research Articles on IL-22	**1.** Our results suggest that inflammatory cytokines IL-22 and TNF-alpha may play a key role in the ocular immune response in Behcet's disease.
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.