Interleukin-17a (IL17A) Pig Recombinant Protein

PRODUCT OVERVIEW

Product Name	Interleukin-17A (IL17A), Recombinant Protein
Full Product Name	Recombinant Pig Interleukin-17A (IL17A)
Product Gene Name	IL17A recombinant protein
Product Synonym Gene Name	IL17A
Sequence	GIMIPQSPGC PKTEDKNFPQ HVRVNLNILN RSTPARRPSD YSKRFTSPWT LQRNEDPERY SSVIWEAKCS HSGCINAEGK EDHHMNSVPI QQEILVLRRE PRHCPNSFRL EKVMVTVGCT CVTPIVRHIS
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	17,312 Da
Sequence Positions	24-153, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q60I29
Species	Sus scrofa (Pig)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for IL17A recombinant protein	This protein is a proinflammatory cytokine produced by activated T cells. This cytokine regulates the activities of NF-kappaB and mitogen-activated protein kinases. This cytokine can stimulate the expression of IL6 and cyclooxygenase-2 (PTGS2 COX-2), as well as enhance the production of nitric oxide (NO). High levels of this cytokine are associated with several chronic inflammatory diseases including rheumatoid arthritis, psoriasis and multiple sclerosis.
Other Notes	Small volumes of IL17A 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 IL17A purchase	MBS1364220 is a recombinant protein targeting IL17A. Also known as Recombinant Pig Interleukin-17A (IL17A). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL17A. It may not necessarily be applicable to this product.

NCBI GI #	54020964
NCBI GeneID	449530
NCBI Accession #	NP_001005729.1

UniProt Primary Accession #	Q60I29
UniProt Related Accession #	Q60I29
GenBank Nucleotide #	NM_001005729.1
NCBI Official Full Name	interleukin-17A
NCBI Official Symbol	IL17A
NCBI Official Synonym Symbols	IL17
UniProt Protein Name	Interleukin-17A
Protein Family	Interleukin
UniProt Gene Name	IL17A
UniProt Synonym Gene Names	IL17; IL-17; IL-17A
NCBI Protein Information	interleukin-17A
UniProt Comments for IL17A	Ligand for IL17RA and IL17RC. The heterodimer formed by IL17A and IL17F is a ligand for the heterodimeric complex formed by IL17RA and IL17RC. Involved in inducing stromal cells to produce proinflammatory and hematopoietic cytokines.
Research Articles on IL17A	**1.** At week 15, skin cell infiltrates from pigs with crusted scabies had significantly higher CD8+ T cell, gammadelta T cell and IL-17+ cell numbers than those with ordinary scabies. Peripheral IL-17 levels were not increased, suggesting that localized skin IL-17-secreting T cells may play a critical role in the pathogenesis of crusted scabies development.
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.
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