IL-22 Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	IL-22, Recombinant Protein
Full Product Name	Recombinant Mouse IL-22 Protein
Product Gene Name	IL-22 recombinant protein
Product Synonym Gene Name	IL22
Product Synonym Names	ILTIF; ZCYTO18; Interleukin-22; IL-22; Cytokine Zcyto18; IL-10-related T-cell-derived-inducible factor; IL-TIF
Sequence	LPVNTRCKLE VSNFQQPYIV NRTFMLAKEA SLADNNTDVR LIGEKLFRGV SAKDQCYLMK QVLNFTLEDV LLPQSDRFQP YMQEVVPFLT KLSNQLSSCH ISGDDQNIQK NVRRLKETVK KLGESGEIKA IGELDLLFMS LRNACVGGGG SGGGGSGGGG SPRGPTIKPC PPCKCPAPNL LGGPSVFIFP PKIKDVLMIS LSPIVTCVVV DVSEDDPDVQ ISWFVNNVEV HTAQTQTHRE DYNSTLRVVS ALPIQHQDWM SGKEFKCKVN NKDLPAPIER TISKPKGSVR APQVYVLPPP EEEMTKKQVT LTCMVTDFMP EDIYVEWTNN GKTELNYKNT EPVLDSDGSY FMYSKLRVEK KNWVERNSYS CSVVHEGLHN HHTTKSFSRT PGK
Host	Human Cells
Form/Format	Lyophilized from a 0.2 mum filtered solution of PBS, pH7.4.
Purity/Purification	>95% as determined by reducing SDS-PAGE
Preparation and Storage	Lyophilized protein should be stored at -20 degree C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8 degree C for 2-7 days. Aliquots of reconstituted samples are stable at -20 degree C for 3 months.
3D Structure	ModBase 3D Structure for Q9JJY9
Endotoxin	Less than 0.1 ng/ug (1 IEU/ug) as determined by LAL test.
Applications Tested/Suitable for IL-22 recombinant protein	ELISA (EIA), Western Blot (WB), SDS-PAGE
Related Product Information for IL-22 recombinant protein	Recombinant Mouse IL-22 Protein is produced by mammalian expression system and the target gene encoding Leu34-Val179 is expressed with a mFc tag at the C-terminus.
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.
Searchable Terms for IL-22 purchase	MBS8305284 is a recombinant protein targeting IL-22. Also known as Recombinant Mouse IL-22 Protein. Host: Human Cells.

ADDITIONAL DETAILS

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

NCBI GI #	8393605
NCBI GeneID	50929
NCBI Accession #	NP_058667.1
UniProt Primary Accession #	Q9JJY9
UniProt Related Accession #	Q9JJY9
GenBank Nucleotide #	NP_058667.1

NCBI Official Full Name	interleukin-22
NCBI Official Synonym Full Names	interleukin 22
NCBI Official Symbol	Il22
NCBI Official Synonym Symbols	IL-22; Iltif; IL-22a; ILTIFa
UniProt Protein Name	Interleukin-22
UniProt Synonym Protein Names	IL-10-related T-cell-derived-inducible factor; IL-TIF; IL-TIF alpha; Interleukin-22a; IL-22a
UniProt Gene Name	Il22
UniProt Synonym Gene Names	Il22a; Iltif; Iltifa; IL-22; IL-TIF; IL-22a
UniProt Entry Name	IL22_MOUSE
NCBI Protein Information	interleukin-22
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 Cellular Component: extracellular space; extracellular region Molecular Function: protein binding; cytokine activity Biological Process: regulation of tyrosine phosphorylation of Stat3 protein; negative regulation of inflammatory response; positive regulation of transcription from RNA polymerase II promoter
Research Articles on IL-22	**1.** This study demonstrated that the IL-22/IL-22BP system plays a major role during Pseudomonas aeruginosa pneumonia by moderating neutrophil accumulation in the lungs that ultimately leads to epithelium protection.
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