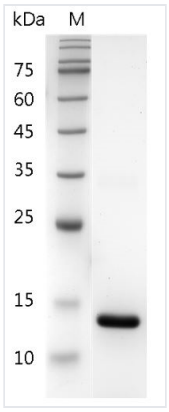
IL-22 Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	IL-22, Recombinant Protein
Full Product Name	Mouse IL-22 Protein, His tag (Animal-Free)
Product Gene Name	IL-22 recombinant protein
Product Synonym Names	IL-22; IL 22; IL22; interleukin 22; IL-TIF; Cytokine ZCYTO18; If2b1; ILTIFa
Sequence	Leu24-Val1 79
Host	E coli
Form/Format	Lyophilized from sterile PBS, pH 7.4.
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	20,106 Da
Sequence Positions	156aa
3D Structure	ModBase 3D Structure for Q9JJY9
Species	Mouse
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-10 secretion in COLO205 cells.The ED?? for this effect is <0.3ng/mL.
Protein Construction	The recombinant mouse IL-22 consists of 156 amino acids and predicts a molecular mass of 17.58kDa. Amino acid sequence derived from Mouse IL-22 (Leu24-Val179)(Q9JJY9) 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-22 recombinant protein	Cytokines and proteins
Related Product Information for IL-22 recombinant protein	Interleukin 22 (IL-22) is an alpha-helical cytokine, predicts a molecular mass of 16.9 kDa. It is produced by T-helper (Th)-17 cells, gammadelta T cells, NKT cells and newly described innate lymphoid cells (ILCs). Effects involve stimulation of cell survival, proliferation and synthesis of antimicrobials including S110, Reg3beta, Reg3gamma and defensins.
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	MBS9719741 is a recombinant protein targeting IL-22. Also known as Mouse IL-22 Protein, His tag (Animal-Free). Host: E coli.



Testing Data of IL-22 recombinant protein

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 Secondary Accession #	Q14BB3
UniProt Related Accession #	Q9JJY9
GenBank Nucleotide #	NM_016971.2
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; IL-10-related T-cell-derived-inducible factor; IL-TIF alpha; ILTIF alpha; interleukin 10-related T cell-derived inducible factor; interleukin-22a
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.** Th1/Th2 and Th17 cells producing IL-22 are found in Leishmania resistant mice but not Balb c mice with draining lesions.

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