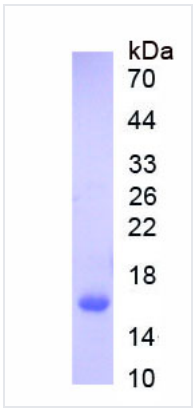
Interleukin 21 (IL21) Active Protein

PRODUCT OVERVIEW

Product Name	Interleukin 21 (IL21), Active Protein
Full Product Name	Active Interleukin 21 (IL21)
Product Gene Name	IL21 active protein
Product Synonym Names	Interleukin 21; IL21 active protein (eukaryotic, 293F Cell), Rat; Za11
Host	293F Cell
Form/Format	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose. Freeze-dried powder
Purity/Purification	Greater than 95% by SDS-PAGE
Preparation and Storage	Store at 2-8 degree C for one month, -80 degree C for 12 months Stable for 12 months if correctly stored.
Molecular Weight	17,065 Da
Sequence Positions	Met1~Ser146
3D Structure	ModBase 3D Structure for A3QPB9
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Active Protein Note	Protein activity can be an ambiguous term. Please refer to the data sheet or inquire with Technical Support to determine the definition of activity for this product.
Expression System	Eukaryotic expression
Species	Rat
Tag	N-terminal His
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Isoelectric Point	10
Research Area	Cytokine
Product Categories/Family for IL21 active protein	Active proteins
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for IL21 active protein	Cell culture, Activity Assay
Related Product Information for IL21 active protein	MBS2153493 is an active protein targeting IL21. Also known as Active Interleukin 21 (IL21). Host: 293F Cell.
Other Notes	Small volumes of IL21 active 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.



SDS-PAGE of IL21 active protein
Figure. SDS-PAGE

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL21. It may not necessarily be applicable to this product.

NCBI GI #	157817103
NCBI GeneID	365769
NCBI Accession #	NP_001102413.1
UniProt Primary Accession #	A3QPB9
UniProt Related Accession #	A3QPB9
GenBank Nucleotide #	NM_001108943.2
NCBI Official Full Name	interleukin-21
NCBI Official Synonym Full Names	interleukin 21
NCBI Official Symbol	Il21
NCBI Official Synonym Symbols	IL-21
UniProt Protein Name	Interleukin-21
Protein Family	Interleukin
UniProt Gene Name	Il21
UniProt Synonym Gene Names	IL-21
UniProt Entry Name	IL21_RAT
NCBI Protein Information	interleukin-21
UniProt Comments for IL21	Cytokine with immunoregulatory activity. May promote the transition between innate and adaptive immunity. Induces the production of IgG1 and IgG3 in B-cells. May play a role in proliferation and maturation of natural killer (NK) cells in synergy with IL15. May regulate proliferation of mature B- and T-cells in response to activating stimuli. In synergy with IL15 and IL18 stimulates interferon gamma production in T-cells and NK cells (). During T-cell mediated immune response may inhibit dendritic cells (DC) activation and maturation ().
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