IL12 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	IL12, Recombinant Protein
Full Product Name	Recombinant Human IL12 (P40) Protein
Product Gene Name	IL12 recombinant protein
Product Synonym Names	IL-12/IL-23 p; IL-12 subunit p; NK cell stimulatory factor chain; NK cell Stimulating Factor Chain; CLMF p; IMD; IL12B; CLMF; CLMF2; IL-12B; IMD28; IMD29; NKSF; NKSF2; Cytotoxic lymphocyte maturation factor 40 kDa subunit; Cytotoxic Lymphocyte Maturation Factor 40 kDa subunit (CLMF p40); IL-12/IL-23 p40; NK cell Stimulating Factor Chain 2; p40; Interleukin-12 subunit beta; CLMF p40; IL-12 subunit p40; NK cell stimulatory factor chain 2; IL 12B; IL12 p40; Interleukin 12 beta chain; Interleukin 12 p40
Sequence	Ile23-Ser3 28
Host	HEK293 Cells
Form/Format	Lyophilized from sterile PBS, pH 7.4., 5% trehalose, 5% mannitol, 0.01% Tween 80. Normally 5%-8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed ma
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	328
Chromosome Location	Chromosome: 5; NC_000005.9 (158741791..158757481, complement). Location: 5q31.1-q33.1
OMIM	161561
3D Structure	ModBase 3D Structure for P29460
Species	Human
Tag	C-HIS
Endotoxin	<1.0EU/mg of the protein as determined by the LAL method.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5mg/mL. Concentration is measured by UV-Vis.
Product Categories/Family for IL12 recombinant protein	Proteins; Recombinant Proteins; Others; Cancer; Cardiovascular; Immunology
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for IL12 recombinant protein	Cytokine that can act as a growth factor for activated T and NK cells, enhance the lytic activity of NK/lymphokine-activated killer cells, and stimulate the production of IFN-gamma by resting PBMC.
Other Notes	Small volumes of IL12 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 IL12 purchase	MBS2581235 is a recombinant protein targeting IL12. Also known as Recombinant Human IL12 (P40) Protein. Host: HEK293 Cells.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL12. It may not necessarily be applicable to this product.

NCBI GI #	24497438
NCBI GeneID	3593
NCBI Accession #	NP_002178.2
UniProt Primary Accession #	P29460
UniProt Related Accession #	P29460
GenBank Nucleotide #	NM_002187.2
NCBI Official Full Name	interleukin-12 subunit beta
NCBI Official Synonym Full Names	interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40)
NCBI Official Symbol	IL12B
NCBI Official Synonym Symbols	CLMF; NKSF; CLMF2; NKSF2; IL-12B
UniProt Protein Name	Interleukin-12 subunit beta
UniProt Synonym Protein Names	Cytotoxic lymphocyte maturation factor 40 kDa subunit; CLMF p40; IL-12 subunit p40; NK cell stimulatory factor chain 2
UniProt Gene Name	IL12B
UniProt Synonym Gene Names	NKSF2; IL-12B; CLMF p40; NKSF2
UniProt Entry Name	IL12B_HUMAN
NCBI Protein Information	interleukin-12 subunit beta; CLMF p40; IL-12 subunit p40; IL12, subunit p40; interleukin 12, p40; interleukin-12 beta chain; NK cell stimulatory factor chain 2; cytotoxic lymphocyte maturation factor 40 kDa subunit; natural killer cell stimulatory factor
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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