

IL12B&IL12A Heterodimer Active Protein | IL12B&IL12A active protein

Recombinant Human IL12B&IL12A Heterodimer Protein (Active)

CATALOG # AAA279237	HOST Mammalian Cell
-------------------------------	-------------------------------

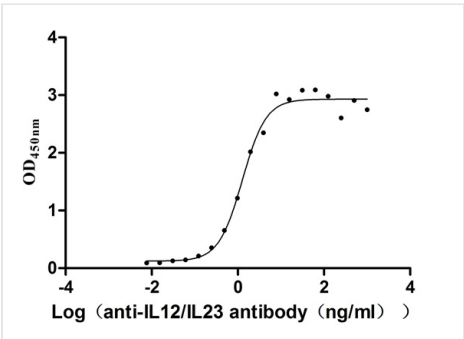
PRODUCT SYNONYMS

IL12B&IL12A Heterodimer; Recombinant Human IL12B&IL12A Heterodimer Protein (Active); Cytotoxic lymphocyte maturation factor; CLMF; IL-12; NK cell stimulatory factor; NKSF; IL12B&IL12A active protein

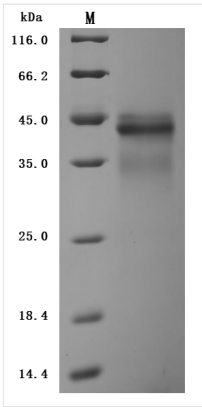
PRODUCT SPECIFICATIONS

Host	Mammalian Cell
Purity/Purification	Greater than 95% as determined by SDS-PAGE.
Form/Format	Lyophilized powder Lyophilized from a 0.2 um filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0
Sequence Positions	23-328aa (IL12B) & 23-219aa (IL12A); Heterodimer
Sequence	IWELKKDVYV VELDWPDPAD GEMVVLTCDT PEEDGITWTL DQSSEVLGSG KTLTIQVKEF GDAGQYTCHK GGEVLSHSL LLHKKEDGIW STDILKDQKE PKNKTFLRCE AKNYSGRFTC WWLTTISTDL TFSVKSSRGs SDPQGVTCGA ATLSAERVRG DNKEYEYSVE CQEDSACPAA EESLPIEVMV DAVHKLKYEN YTSSFFIRDI IKPDPPKNLQ LKPLKNSRQV EVSWEYPDTW STPHSYFSLT FCVQVQGKSK REKDRVFTD KTSATVICRK NASISVRAQD RYYSSSWSEW ASVPCS&RNL PVATPDPGMF PCLHHSQNLL RAVSNMLQKA RQTLEFYPC SEEIDHEDIT KDKTSTVEAC LPELTKNES CLNSRETSFI TNGSCLASRK TSFMMALCLS SIYEDLKMYQ VEFKTMNAKL LMDPKRQIFL DQNMLAVIDE LMQALNFNSE TVPQKSSLEE PDFYKTKIKL CILLHAFRIR AVTIDRVMSY LNAS\$
Species	Homo sapiens (Human)
Tag	C-terminal 10xHis-tagged & C-terminal DYKDDDDK-tagged
Endotoxin	Less than 1.0 EU/ug as determined by LAL method.
Research Area	Immunology
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human IL12B&IL12A at 1 ug/ml/mL can bind Anti-IL12/IL23 recombinant antibody, the EC50 is 1.042-1.545 ng/mL.
Preparation and Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20 degree C/-80 degree C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

IMAGES



Bioactivity
Measured by its binding ability in a functional ELISA. Immobilized Human IL12B&IL12A at 1 ?g/ml/mL can bind Anti-IL12/IL23 recombinant antibody, the EC50 is 1.042-1.545 ng/mL.



SDS-PAGE
Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

ADDITIONAL INFORMATION

Product Categories/Family for IL12B&IL12A active protein	Active Protein & In Stock Protein
--	-----------------------------------

NCBI AND UNIPROT INFORMATION

NCBI GI #	24497438
NCBI GeneID	3593
NCBI Accession #	NP_002178.2
NCBI GenBank Nucleotide #	NM_002187.2
UniProt Accession #	P29460; P29459
Molecular Weight	328
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
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,
UniProt Protein Name	Interleukin-12 subunit beta
UniProt Gene Name	IL12B
UniProt Synonym Gene Names	NKSF2; IL-12B; CLMF p40; NKSF2
UniProt Entry Name	IL12B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.