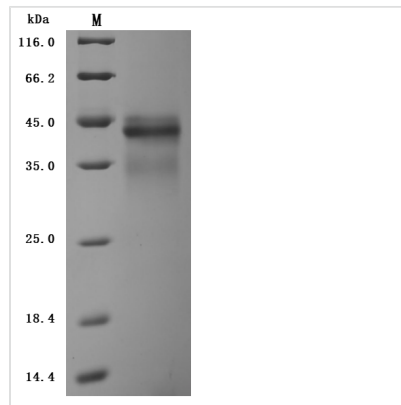


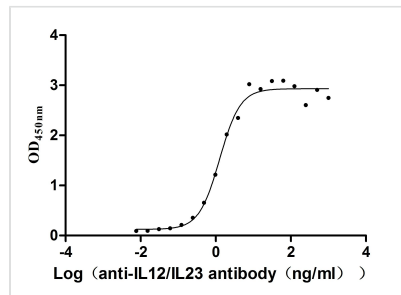


Recombinant Human IL12B&IL12A Heterodimer Protein (Active)

Product Code	CSB-MP4155HU
Abbreviation	Recombinant Human IL12B&IL12A Heterodimer protein (Active)
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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P29460/P29459
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 μm filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human IL12B&IL12A at 1 μg/mL can bind Anti-IL12/IL23 recombinant antibody (CSB-RA011587MA1HU), the EC50 is 1.042-1.545 ng/mL.
Purity	≥ 95% as determined by SDS-PAGE.
Sequence	IWELKKDVYVVELDWYPDAPGEMVVLTCDTPEEDGITWTLDQSSEVLGSGKTL TIQVKEFGDAGQYTCHKGGEVLSHSLLLHKKEDGIWSTDILKDQKEPKNKTF RCEAKNYSGRFTCWLLTISTDLTFSVKSSRGSSDPQGVTCGAATLSAERVR GDNKEYEYSVEQEDSACPAAEESLPIEVMVDAVHKLKYENYSSFFIRDIIKP DPPKNLQLKPLKNSRQVEVSWEYPDTWSTPHSYFSLTFCVQVQVGKSKREK RVFTDKTSATVICRKNASISVRAQDRYSSSWSEWASVPCS&RNLPVATPDP GMFPCLHHSQNLRAVSNMLQKARQTLEFYPCTSEEIDHEDITKDKTSTVEAC LPLELTKNESCLNSRETSFITNGSCLASRKTSFMMALCLSSIIYEDLKMVQVEFK TMNAKLLMDPKRQIFLDQNMMLAVIDELMQALNFNSETVPQKSSLEEPDFYKTKI KLCILLHAFRIRAVTIDRVMSYLNAS
Source	Mammalian cell
Target Names	IL12B&IL12A
Expression Region	23-328aa(IL12B) & 23-219aa(IL12A)
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	C-terminal 10xHis-tagged & C-terminal Flag-tagged
Mol. Weight	39.7 kDa & 27.2 kDa
Protein Length	Heterodimer
Image	



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



Activity
 Measured by its binding ability in a functional ELISA. Immobilized Human IL12B&IL12A at 1 µg/ml/mL can bind Anti-IL12/IL23 recombinant antibody(CSB-RA011587MA1HU), the EC₅₀ is 1.042-1.545 ng/mL.

Endotoxin

Less than 1.0 EU/ug as determined by LAL method.

Reconstitution

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°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.