

IL12A & IL12B Heterodimer Protein, Human, Recombinant (Flag & His)

General Information

Protein Construction: 23-328 aa (IL12B) & 23-219 aa (IL12A)

Species: Human

Expression Host: HEK293 Cells

Accession: P29460 P29459

Molecular Weight: 39.7 kDa & 27.2 kDa (predicted)

AA Sequence:

IWELKKDVYVVELDWYPDAPGEMVVLTCDTPEEDGITWTLDSSEVLGSGKTLTIQVKEFGDAGQYTCHKGG
EVLSHSLLLLHKKEDGIWSTDILKDQKEPKNKTFRLRCEAKNYSGRFTCWLLTTISTDLTFSVKSSRGSSDPQGV
TCGAATLSAERVRGDNKEYEYSVECQEDSACPAEESLPIEVMVDAVHKLKYENYTSFFIRDIIKPDPPKNLQ
LKPLKNSRQVEVSWEPDPTWSTPHSYFSLTFCVQVQGKSKREKKDRVFTDKTSATVICRKNASISVRAQDRYY
SSSWSEWASVPCS&RNLPVATPDPMFCLHHSQNLRAVSNMLQKARQTLEFYPCTSEEIDHEDITKDKTS
TVEACLPLELTKNESCLNSRETSFITNGSCLASRKTSFMMALCLSSIYEDLQMYQVEFKTMNAKLLMDPKRQIFL
DQNMLAVIDELMQALNFNSETVPPQKSSLEEDFYKTKIKLCILLHAFRIRAVTIDRVMSYLNAS

QC Testing

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, the EC50 is 1.042-1.545 ng/mL.

Purity: > 95% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/µg of the protein as determined by the LAL method.

Formulation: Lyophilized from a solution filtered through a 0.22 µm filter, containing 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 µg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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