

Recombinant Human IL12A Protein, His&hFc&Flag-tagged

Cat. No. IL12A-5833H **Lot. No.** (See product label)

SPECIFICATION

Product Overview Recombinant Human IL12A Protein(P29459-1) (Met1-Ser219) was fused with a C-terminal Fc region of human IgG1 tag followed by a His tag, constructed the plasmid 1; Recombinant Human IL27B Protein(NP_005746.2) (Met1-Lys229) was fused with a C-terminal Fc region of human IgG1 tag followed by a FLAG tag, constructed the plasmid 2. The two plasmids were co-expressed and the heterodimer was purified.

Species Human

Source HEK293

ProteinLength 1-219 aa & 1-229 aa

Form Lyophilized from sterile PBS, pH 7.4.

Molecular Mass The recombinant human IL12A&IL27B comprises 905 (447+458) amino acids and has a calculated molecular mass of 102 (50.7+ 51.3) KDa. The apparent molecular mass of the recombinant human IL12A&IL27B is approximately 60 & 63 KDa respectively in SDS-PAGE under reducing conditions.

Endotoxin < 1.0 EU per µg of the protein as determined by the LAL method

Purity > 90 % as determined by SDS-PAGE

Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein

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be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name

IL12A interleukin 12A (natural killer cell stimulatory factor 1, cytotoxic lymphocyte maturation factor 1, p35) [Homo sapiens]

Official Symbol

IL12A

Synonyms

IL12A; interleukin 12A (natural killer cell stimulatory factor 1, cytotoxic lymphocyte maturation factor 1, p35); NKSF1; interleukin-12 subunit alpha; CLMF; cytotoxic lymphocyte maturation factor 1; p35; IL 12; subunit p35; IL 12A; IL35 subunit; interleukin 12; interleukin 12 alpha chain; natural killer cell stimulatory factor 1; 35 kD subunit; NF cell stimulatory factor chain 1; NFSK; CLMF p35; IL-12 subunit p35; IL-12, subunit p35; interleukin 12, p35; interleukin-12 alpha chain; NK cell stimulatory factor chain 1; cytotoxic lymphocyte maturation factor 1, p35; cytotoxic lymphocyte maturation factor 35 kDa subunit; natural killer cell stimulatory factor 1, 35 kD subunit; P35; IL-12A;

Gene ID

3592

mRNA Refseq

NM_000882

Protein Refseq

NP_000873

MIM

161560

UniProt ID

P29459

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