

Recombinant Human & Mouse IL12A & IL12B Protein, His-tagged

Cat. No. IL12A & IL12B-1252H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human IL23A (Q9NPF7) (Met1-Pro189) was fused with a polyhistidine tag at the C-terminus, constructed the plasmid 1; Recombinant mouse IL12B (P43432) (Met1-Ser335) was expressed with a polyhistidine tag at the C-terminus, constructed the plasmid
Species	Human & Mouse
Source	HEK293
ProteinLength	1-189;1-335 a.a.
Predicted N Terminal	Arg 20 & Met 23
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Molecular Mass	The recombinant human IL23A & the mouse IL12B comprises 505(181+324) amino acids and has a calculated molecular mass of 57.3 (20.1+37.2) KDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>(37.6+41.4+20.5) % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.

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Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein 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 0.25 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; interleuk
Gene ID	3592
mRNA Refseq	NM_000882
Protein Refseq	NP_000873
MIM	161560
UniProt ID	P29459
Chromosome Location	3p12-q13.2

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Pathway

African trypanosomiasis, organism-specific biosystem; African trypanosomiasis, conserved biosystem; Allograft rejection, organism-specific biosystem; Allograft rejection, conserved biosystem; Amoebiasis, organism-specific biosystem; Amoebiasis, conserved

Function

contributes_to cytokine activity; contributes_to cytokine activity; contributes_to growth factor activity; contributes_to growth factor activity; interleukin-12 beta subunit binding; interleukin-12 receptor binding; interleukin-27 binding; protein binding

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