

Recombinant Human IL12 protein, His-tagged, Biotinylated

Cat. No. IL12-159HB **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant p35 subunit of human IL-12, termed as IL12A (P29459.2) (Met1-Ser219) was fused with a polyhistidine tag at the C-terminus, constructed the plasmid 1 ; Recombinant p40 subunit of human IL-12, termed as IL12B (NP_002178.2) (Met1-Ser328) was fused with a polyhistidine tag at the C-terminus, constructed the plasmid 2. The two plasmids were co-expressed and the heterodimer was purified. The purified protein was biotinylated in vitro.
Species	Human
Source	HEK293
ProteinLength	1-219;1-328 a.a.
Predicted N Terminal	Arg 23 & Ile 23
Form	Lyophilized from sterile PBS, pH 7.4, 5% trehalose, 5% mannitol and 0.01% Tween80.
Molecular Mass	The recombinant IL12 heterodimer of human IL12A/IL12B comprises 525 (208 + 317) amino acids and has a calculated molecular mass of 60.2 (24 + 36.2) kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE.

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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 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 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.
Conjugation	Biotin
GENE INFORMATION	
Official Symbol	IL12
Synonyms	IL12; CLMF; CLMF2; IL-12A; IL-12B; IL12; IL12 p70; IMD28; IMD29; NFSK; NKSF; NKSF1; NKSF2; P35
UniProt ID	P29459.2 & NP_002178.2

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