Biotinylated Human IL-12 Protein

Catalog # IL12-HB001 Form: Lyophilized

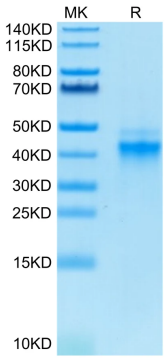
Product Details

Product description	Recombinant Biotinylated Human IL-12 Protein is expressed in HEK293 cells with a His tag and Avi tag at the C-terminus. It contains amino acid residues Ile23-Ser328 (IL-12B) and Arg23-Ser219 (IL-12A) (accession: P29460(IL-12B) & P29459(IL-12A)).
Molecular aliases	CLMF; CLMF2; IL-12A; IL-12B; IL12; IL12 p70; IMD28; IMD29; NFSK; NKSF1; NKSF2; P35; IL-12 subunit p35; IL12A; interleukin 12; IL12B; IL12p70; IL12 subunit p35; Interleukin-12; IL-12; IL 12
Expression system	HEK293
Molecular weight	The protein has a predicted MW of 34.7 kDa (IL-12B) and 25.5 kDa (IL-12A). Due to glycosylation, the protein migrates to 40-45 kDa based on Bis-Tris PAGE result.
Purity	> 95% as determined by Bis-Tris PAGE > 90% as determined by HPLC
Endotoxin	Less than 1 EU per μg by the LAL method.
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
State	Lyophilized
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Activity validation	Activity verified

Protein Integrity

Bis-Tris PAGE

Representative product-page data



Reported result

Biotinylated Human IL-12 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.