

Active GMP Recombinant Human IL12B Protein

Cat. No. IL12B-128HG Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL12B(Ile23–Ser328) and Human IL12A(Arg23–Ser219), was co-produced in Sf 21 (baculovirus)-derived under cGMP guidelines.
Species	Human
Source	Insect Cells
ProteinLength	23-328;23-219 a.a.
Form	Lyophilized from a 0.2 µm filtered solution in PBS.
Bio-activity	Measured in a cell proliferation assay using PHA-stimulated human T lymphoblasts. Symons, J.A. et al. (1987) in Lymphokines and Interferons, a Practical Approach. Clemens, M.J. et al. (eds): IRL Press. 272.
Molecular Mass	Predicted Molecular Mass: 34.7 (p40) & 22.5 (p35) kDa SDS-PAGE: 41 kDa (p40) and 29 kDa (p35), reducing conditions
N-terminal Sequence Analysis	Ile-Trp-Glu-Leu-Lys-Lys-Asp-Val-Tyr-Val (p40) Arg-Asn-Leu-Pro-Val-Ala-Thr-Pro-Asp-Pro (p35)
Endotoxin	<1.0 EU per 1 µg of the protein by the LAL method.
Purity	>97%, by SDS-PAGE with silver staining.

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Storage	Avoid repeated freeze-thaw cycles. 12 months, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Reconstitution	Reconstitute at 100 µg/mL in PBS.
Quality Statement	Our GMP proteins are produced according to relevant sections of the following documents: WHO TRS, No. 822, 1992 Annex 1, Good Manufacturing Practices for Biological Products; USP Chapter 1043, Ancillary Materials for Cell, Gene and Tissue-Engineered Products and USP Chapter 92, Growth Factors and Cytokines Used in Cell Therapy Manufacturing.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.
GENE INFORMATION	
Gene Name	IL12B interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40) [Homo sapiens]
Official Symbol	IL12B
Synonyms	IL12B; NKSF2; interleukin-12 subunit beta; CLMF; CLMF2; p40; IL 12B; IL12; subunit p40; interleukin 12; interleukin 12 beta chain; NKSF; CLMF p40; IL-12 subunit p40; IL12, subunit p40; interleukin 12, p40; interleukin-12 beta chain; IL-12B;
Gene ID	3593
mRNA Refseq	NM_002187

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Protein Refseq	NP_002178
MIM	161561
UniProt ID	P29460

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