Active GMP Recombinant Human IL11 Protein

Cat. No. IL11-101HG **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL11, Pro22-Leu199, was produced in Sf 9 (baculovirus)-derived in an animal component free process under cGMP guidelines.
Species	Human
Source	Insect Cells
ProteinLength	22-199 a.a.
Form	Lyophilized from a 0.2 μm filtered solution in PBS and EDTA.
Bio-activity	Measured in a cell proliferation assay using T11 mouse plasmacytoma cells. Nordan, R.P. et al. (1987) J. Immunol. 139:813. The ED50 for this effect is 0.02-0.12 ng/mL. The specific activity of recombinant human IL-11 is approximately 1.05 x 10^4 units/μg, which is calibrated against recombinant human IL-11 WHO Standard (NIBSC code: 92/788).
Molecular Mass	Predicted Molecular Mass: 19 kDa SDS-PAGE: 20 kDa, reducing conditions
N-terminal Sequence Analysis	Pro-Gly-Pro-Pro-Pro-Gly-Pro-Pro-Arg-Val
Endotoxin	<0.10 EU per 1 μg of the protein by the LAL method.

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Purity	>95%, by SDS-PAGE with silver staining, under reducing conditions.
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	IL11 interleukin 11 [Homo sapiens]
Official Symbol	IL11
Synonyms	IL11; interleukin 11; interleukin-11; adipogenesis inhibitory factor; AGIF; IL 11; oprelvekin; IL-11;
Gene ID	3589
mRNA Refseq	NM_000641

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Protein Refseq	NP_000632
MIM	147681
UniProt ID	P20809

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