

CHAMOT

Recombinant IL-3, Human, GMP

CM005-100HPG

CM005-1000HPG



CHAMOT

乔默®生物

Specialize In Cytokines



CONTENT

1 Product Specifications

2 Product Note

3 Storage/Shipping

4 Scientific Data

Recombinant IL-3, Human, GMP

Catalog#	CM005-100HPG	CM005-1000HPG
Size	100 ug	1 mg

Product Specifications

Background	Interleukin-3 (IL-3) is a pleiotropic cytokine which can stimulates the survival, differentiation and proliferation of committed progenitor cells, including megakaryocyte, granulocyte-macrophage, erythroid, eosinophil, basophil and mast cell lineages. IL-3 also enhances phagocytosis and antibody-mediated cellular cytotoxicity. IL-3 binds to IL-3R (IL-3 receptor), which is composed of a unique α subunit (IL-3R α) and a common β -subunit (β c).
Synonyms	interleukin 3, MCGF (Mast Cell Growth Factor), Multi-CSF, HCGF, P-cell stimulation factor, Interleukin-3b, IL3
Uniprot ID	P08700
Molecular Weight	The protein has a calculated MW of 16 kDa. The protein migrates as 13 kDa under reducing condition (SDS-PAGE analysis).
Expression System	Escherichia coli
Purity	>98% as determined by SDS-PAGE analysis.
Activity	Measure by its ability to induce TF-1 cells proliferation. The ED ₅₀ for this effect is <0.15 ng/mL. The specific activity of recombinant human IL-3 is approximately >1.2 x 10 ⁶ IU/mg.
Endotoxin Level	<0.05 EU per 1 μ g of the protein by the LAL method.
Protein Sequence	MAPMTQTTSKTSWVNCSNMIDEIITHLKQPPLPLLDNFNNLNGEDQDILMENNLRRPNLE AFNRAVKSLQNASAIESILKNLLPCLPLATAAPTRHPHPIKDGDWNEFRRLTFYKLTLENAQ AQQTTLSLAIF with polyhistidine tag at the C-terminus.
Form	Lyophilized from a 0.2 μ m filtered solution of PBS, pH 8.0.
Application	Cell Culture

Product Note

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 0.5 mg/mL and incubate the stock solution at RT for at least 20 min to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

Storage/Shipping

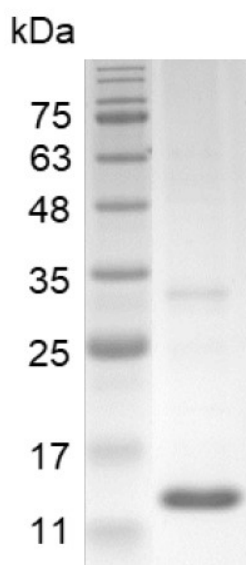
Stability & Storage

Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.

Shipping

Blue Ice

Scientific Data



SDS- PAGE analysis of GMP human IL-3

For Research Use or Further Manufacturing Only

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