

CHAMOT

Recombinant IL-6, Human, GMP

CM008-100HPG

CM008-1000HPG



CHAMOT

乔默®生物

Specialize In Cytokines



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Recombinant IL-6, Human, GMP

Catalog#	CM008-100HPG	CM008-1000HPG
Size	100 ug	1 mg

Product Specifications

Background Interleukin-6 (IL-6) is a pleiotropic, 22-28 kDa cytokine which plays fundamental role in the acute phase response, inflammation, bone metabolism, lymphocyte differentiation and cancer progression. Deregulation of IL-6 production was also found in several diseases, including rheumatoid arthritis, Alzheimer's disease, autoimmune deficiency disease and different types of cancer.

Synonyms interleukin 6, IFN- β 2, B-Cell Differentiation Factor (BCDF), BSF-2, HPGF, HSF, MGI-2, IL6

Uniprot ID P05231

Molecular Weight The protein has a calculated MW of 21.8 kDa. The protein migrates as 22 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 proliferation in TF-1 cells. The ED₅₀ for this effect is <0.5 ng/mL. The specific activity of recombinant human IL-6 is approximately >5 x 10⁸ IU/mg. Measure by its ability to induce proliferation in MCF-7 cells. The ED₅₀ for this effect is <4.4 ng/mL.

Endotoxin Level <0.05 EU per 1 μ g of the protein by the LAL method.

Protein Sequence MVPPGEDSKDVAAPHRQPLTSSERIDKQIRYILDGISALRKETCNKSNMCESSKEALAENNL NLPKMAEKDGCFCQSGFNEETCLVKIITGLLEFEVYLEYLQNRFSSEEQARAVQMSTKVLIQFL QKKAKNLDAITTPDPTTNASLLTKLQAQNQWLQDMTTHLILRSFKEFLQSSLRALRQM 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

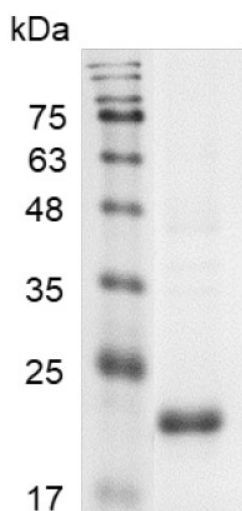
Stability & Storage

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-6

For Research Use or Further Manufacturing Only

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