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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Interleukin-6, His Tag, human recombinant (rHull-6-His)

Catalog No: 95016
Lot No: XXXXX
Source: *E. coli*
Synonyms: IFN-b2, B cell differentiation factor, BCDF, BSF-2, HPGF, HSF, MGI-2, B-cell stimulatory factor 2, Interferon beta-2, Hybridoma growth factor, CTL differentiation factor, CDF, IL-6, HGF

Background

Interleukin-6 is a potent pro-inflammatory cytokine primarily produced by activated T cells and an assortment of other cells including endothelial cells and macrophages. IL-6 affects B and T lymphocytes and has been shown to have a role in host defense, acute phase reactions, immune responses and hematopoiesis.

Description

Interleukin-6 human recombinant produced in *E. coli* is single, a non-glycosylated, polypeptide chain containing 204 amino acids (30-212) including a 20 aa N-terminal His Tag, having a total molecular mass of 23.1 kDa. IL-6 His is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile filtered clear solution.

Formulation

The Interleukin-6 His Tag protein (0.5 mg/ml) is supplied in phosphate buffered saline pH 7.4 and 10% glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino Acid Sequence

MGSSHHHHHH SSSLVPRGSH MVPPGEDSKD VAAPHRQPLT SSERIDKQIR YILDGISALR KETCNKSNMC ESSKEALAEN
NLNLPKMAEK DGCFAQSGFNE ETCLVKIITG LLEFEVYLEY LQNRFESSEE QARAVQMSTK VLIQFLQKKA KNLDAITTPD
PTTNASLLTK LQAQNQLQD MTHLILRSF KEFLQSSLRA LRQM

Activity

The activity was measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 for this effect is ≤ 0.8 ng/ml.

Usage

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