
Product Data Sheet

Product Name: IL6 Human, Sf9
 Cat. No.: GP26047
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	with Ice Packs
Synonyms	BSF2, HGF, HSF, IFNB2, IL-6.		
Amino Acid Sequence	VPPGEDSKDV AAPHRQPLTS SERIDKQIRY ILDGISALRK ETCNKSNMCE SSKEALAENNLNLPKMAEKD GCFQSGFNEE TCLVKIITGL LEFEVYLEYL QNRFESSEEQ ARAVQMSTKVLIQFLQKKAK NLDAITTPDP TTNASLLTKL QAQNQWLQDM TTHLILRSFK EFLQSSLRAL RQMHHHHHHH.		
Formulation	IL6 protein (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

Introduction

Interleukin-6 or IL-6 is a cytokine with a large assortment of biological functions. IL-6 has a crucial part in the last differentiation of B-cells into Ig-secreting cells. This cytokine also induces myeloma and plasmacytoma growth. Interleukin-6 induces nerve cell differentiation, among hepatocytes it induces acute phase reactants.

Biological Activity

The ED50, determined by cell proliferation assay using TF-1 human erythroleukemic cell, is 0.2 - 0.8 ng/ml.

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.

Background

IL6 Human Recombinant produced in Baculovirus is a single glycosylated polypeptide

Caution: Product has not been fully validated for medical applications. For research use only.

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chain containing 189 amino acids (30-212aa) and having a molecular mass of 21.6kDa. (Migrates at 18-28kDa on SDS-PAGE under reducing conditions).IL6 is fused to a 6 amino acid His-Tag at C-terminus and purified by proprietary chromatographic techniques.

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