
Product Data Sheet

Product Name: IL6 Rat, sf9
 Cat. No.: GP20522
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	IL6; Ifnb2; ILg6.		
Amino Acid Sequence	ADPFPTSQVR RGDFTEDTTH NRPVYTTSQV GGLITYVLRE ILEM RKELCN GNSDCMNSDDALSENNLKLP EIQRNDGCFQ TGYNQEICLL KICSGLLEFR FYLEFVKNNL QDNKKDKARVIQSNTETLVH IFKQEIKDSY KIVLPTPTSN ALLMEKLESQ KEWLRTKTIQ LILKALEEFL KVTMRSTRQT HHHHHH		
Formulation	IL6 protein solution (0.5mg/ml) contains 20% glycerol & Phosphate Buffered Saline (pH 7.4).		

Introduction

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.

Biological Activity

Measured in a cell proliferation assay using M-NFS-60 mouse B cell. The ED50 for this effects is less or equal to 0.1 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 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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containing 196 amino acids (25-211 a.a.) and having a molecular mass of 22.8kDa (Molecular size on SDS-PAGE will appear at approximately 18-28 kDa).IL6 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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