
Product Data Sheet

Product Name: IL-9 Human, Sf9 Active

Cat. No.: GP26049

Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	with Ice Packs
Synonyms	Interleukin 9, Protein II9, II9, HP40, Cytokine P40, T-cell growth factor P40		
Amino Acid Sequence	QGCPTLAGIL DINFLINKMQ EDPASKCHCS ANVTSCCLCLG IPSDNCTRPC FSERLSQMTNTTMQTRYPLI FSRVKKSVEV LKNNKCPYFS CEQPCNQTTA GNALTFLKSL LEIFQKEKMR GMRGKIHAAA HH		
Formulation	The IL-9 solution (0.5mg/ml) contains 10% Glycerol and Phosphate-Buffered Saline (pH 7.4).		

Introduction

Interleukin-9 is a protein that acts as one of the regulators of hematopoiesis. IL-9 is an enhancer of cells and megakaryoblastic leukemic cells' growth. Among this protein's producers we can find cells like mast cells, Treg, NKT cells, Th17, Th2, ILC2, and Th9 cells in various amounts. Th9 are the primary CD4 cells (T cells) that IL-9 is produced in.

Biological Activity

Determined by cell proliferation assay using MO7e human megakaryocytic leukemic cells. ED50 range for this effect is ≤ 0.3 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

IL-9 Human produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 132 amino acids (19-144 aa) and having a molecular mass of 14.9kDa. IL-9 is

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

Product Data Sheet

fused to a 6 amino acid His tag at C-terminus and purified by proprietary chromatographic techniques.

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