
Product Data Sheet

Product Name: IL21 Human, Sf9
 Cat. No.: GP20616
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Interleukin-21 isoform 1; CVID11; IL-21; Za11.		
Amino Acid Sequence	ADPEFMQQGD RHMIRMRLI DIVDQLKNYV NDLVPEFLPA PEDVETNCEW SAFSCFQKAQ LKSANTGNNE RIINVSIIKLL KRKPPSTNAGRRQKHRLTCP SCDSYEKKPP KEFLERFKSL LQKMIHQHLS SRTHGSEDSH HHHHH.		
Formulation	IL21 protein solution (0.25mg/ml) contains phosphate buffered saline (pH7.4) and 20% glycerol.		

Introduction

Interleukin-21 isoform 1 or IL21, categorized as a T helper cytokine. IL21 is part of the regulation of immune responses, haematopoiesis and cell-mediated responses. IL21 has a key role in haematopoiesis and immune responses regulation, therefore can affect lymphocyte development. Activation of T cells leads to production of the IL21. The protein has a crucial role in the viral infections persistence.

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

IL21 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 145 amino acids (30-162a.a.) and having a molecular mass of 16.9kDa. (Molecular size on SDS-PAGE will appear at approximately 18-28kDa). IL21 is expressed with a 12 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.

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