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## Product Data Sheet

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Product Name: IL21 Canine  
 Cat. No.: GP26057  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	withIcePacks
Synonyms	Interleukin-21.		
Amino Acid Sequence	MHKSSFQEQD LLLIRMRQLI DIVDQLKNYV NDLDPESLPA PEDVKRHCER SAFSCFQKVQ LKAANTGGNE QIINVLTKQL KRKLPPTNAG RRQKHRPACP SCDSYEKAPP KEFLERLKSL IQKMIHQHLS		
Formulation	IL21 protein solution (0.5mg/ml) containing Phosphate-Buffered Saline (pH7.4).		

### 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 takes a main part in haematopoiesis and immune responses regulation, therefore can affect lymphocyte development. Activation of T cells leads to production of the IL21 which has an important role in the viral infections persistence.

### Biological Activity

The activity is determined by the IFN-g ELISA in a using NK-92 human natural killer cells. The ED50 range  $\leq$  2ng/ml.

### Stability

Store at 46yC if entire vial will be used within 2-4 weeks. Store, frozen at -206yC 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 Canine Recombinant produced in E.Coli is a single, non-glycosylated polypeptide

**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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chain containing 130 amino acids (18-146a.a.) and having a molecular mass of 15kDa.

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