
Product Data Sheet

Product Name: IL36RN Human
 Cat. No.: GP20655
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Interleukin-36 receptor antagonist protein; FIL1 delta; IL-1-related protein 3; IL-1RP3; Interleukin-1 HY1; IL-1HY1; Interleukin-1 delta; IL-1 delta; Interleukin-1 family member 5; IL-1F5; Interleukin-1 receptor antagonist homolog 1; IL-1ra homolog 1; Interleukin-1-like protein 1; IL-1L1; IL36RN; FIL1D; IL1F5; IL1HY1; IL1L1; IL1RP3; FIL1; PSORP; IL36RA; FIL1(DELTA).		
Amino Acid Sequence	The sequence of the first five N-terminal amino acids was determined and was found to be Met-Val-Leu-Ser-Gly.		
Solubility	It is recommended to quick spin followed by reconstitution of IL1F5 in PBS to a concentration no less than 100 µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	IL1F5 was lyophilized after extensive dialysis against 20mM Phosphate buffer, pH7.4.		

Introduction

Human interleukin family 1, member 5 (IL-1F5 / FIL1-delta) belongs to the interleukin 1 cytokine family. IL1F5 is expressed by a variety of cells including monocytes, Bcells, dendritic cells/Langerhans cells, keratinocytes, and gastric fundus Parietal and Chief cells. IL1F5 is an antagonist of IL1F9; however IL1F5 activity related to receptor binding remains unclear. Human and mouse IL1F5 share 90% amino acid sequence identity.

Biological Activity

As measured by its binding ability in a functional ELISA, immobilized IL1F5 at 1 µg/ml (100 µl/well) can bind rHuIL-1 Rrp2/Fc Chimera with a linear range of 0.15- 5 µg/ml.

Stability

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

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Lyophilized IL1F5 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution IL1F5 should be stored at 4°C between 2-7 days and for future use below -18°C . Please prevent freeze-thaw cycles.

Background

IL1F5 Human Recombinant produced in E.Coli is a single, non-glycosylated, Polypeptide chain containing 155 amino acids and having a molecular mass of 17kDa. The IL1F5 is purified by proprietary chromatographic techniques.

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