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IL36RN Human

Interleukin-36 Receptor Antagonist Human Recombinant
CYK0445

Product Overview

Name	IL36RN Human
Description	
Interleukin-36 Receptor Antagonist Human Recombinant	
Accession (Primary)	Q9UBH0
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).	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
IL1F5 was lyophilized after extensive dialysis against 20mM Phosphate buffer, pH7.4.	
Stability	
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.	
Purity	
Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
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.	

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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.

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.

Precautions

IL36RN Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9UBH0)