

## 32-1522: IL36RN Recombinant Protein

**Alternative Name :** 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

### Description

Source : Escherichia Coli. 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. 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, B cells, 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.

### Product Info

**Amount :** 25 µg  
**Purification :** Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.  
**Content :** IL1F5 was lyophilized after extensive dialysis against 20mM Phosphate buffer, pH 7.4.  
**Storage condition :** 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.  
**Amino Acid :** The sequence of the first five N-terminal amino acids was determined and was found to be Met-Val-Leu-Ser-Gly.

### Application Note

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. 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.

