



## IL-1F5/IL-36Ra

E21-071

**Catalog Number:**E21-071

**Amount:**10ug

**Altername:**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

**Storage/Stability:**Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.Reconstituted protein solution can be stored at 4-7°C for 2-7 days.Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**Background:**Human Interleukin-36 Receptor Antagonist (IL-36RN) is a secreted protein which belongs to the Interleukin 1 cytokine family (IL-1 family). IL-36RN is predominantly expressed in keratinocytes but not in fibroblasts, endothelial cells or melanocytes. IL-36RN is also detected in the spleen, brain leukocyte and macrophage cell types. Increased in lesional psoriasis skin. IL-36RN is a highly and a specific antagonist of the IL-1 receptor-related protein 2-mediated response to Interleukin 1 family member 9 (IL1F9). Dysregulated expression of novel agonistic and antagonistic IL-1 family member ligands can promote cutaneous inflammation, revealing potential novel targets for the treatment of inflammatory skin disorders. Human and mouse IL-36RN share 90% sequence identity.

**Species:**Human

**Reconstitution:**Always centrifuge tubes before opening. Do not mix by vortex or pipetting.It is not recommended to reconstitute to a concentration less than 100 µg/ml.Dissolve the lyophilized protein in ddH2O.Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin:**Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

**Purity:**Greater than 95% as determined by reducing SDS-PAGE.

**Description:**Recombinant Human Interleukin-36 Receptor Antagonist Protein is produced by our E.coli expression system and the target gene encoding Met1-Asp155 is expressed.

**Product State:**Lyophilized

**Ship Description:**The product is shipped at ambient temperature.

**Formulation:**Lyophilized from a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, pH 7.5.

**Expression system:**E.coli

**For Research Use Only**

