

## 32-1523: mIL36RN Recombinant Protein

### Description

Source : Escherichia Coli. IL36RN Mouse Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 154 amino acids and having a molecular mass of 17.0kDa. The IL36RN is purified by proprietary chromatographic techniques. IL36RA belongs to the IL-1 family of proteins. IL36RA is produced as a 156 aa protein which holds no signal sequence, no prosegment and no potential N-linked glycosylation site but, IL36RA is secreted as a 17 kDa monomer. Cells known to express IL36Ra/IL1F5 include monocytes, B cells, keratinocytes, dendritic cells/Langerhans cells and gastric fundus Parietal and Chief cells.

### Product Info

<b>Amount :</b>	10 µg
<b>Purification :</b>	Greater than 95.0% as determined by SDS-PAGE.
<b>Content :</b>	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.
<b>Storage condition :</b>	Lyophilized IL 36RN although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL 36RN should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.
<b>Amino Acid :</b>	VLSGALCFRM KDSALKVLYL HNNQLLAGGL HAEKVIK GEE ISVVPNRALD ASLSPVILGV QGGSQCLSCG TEKGPILKLE PVNIMELYLG AKESKSFTFY RRD MGLTSSF ESAAYPGWFL CTSPEADQPV RLTQIPEDPA WDAPITDFYF QQCD

### Application Note

It is recommended to reconstitute the lyophilized IL36RN in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions. Fully biologically active when compared to standard. Measured by its ability to inhibit IL-36a, IL-36b or IL-36g induced IL-6 secretion by NIH-3T3 mouse embryonic fibroblast cells. The ED50 for this effect is typically 0.8-4ug/ml (corresponding to a specific activity of 250-125units/mg) in the presence of 15ng/ml of recombinant mouse IL-36b.