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# IL36RN Mouse

**Catalog #:**CYPS-161

For research use only.

**Description:**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.

**Source:**Escherichia Coli.

**Physical Appearance:**Sterile Filtered White lyophilized (freeze-dried) powder.

**Amino Acid Sequence:**VLSGALCFRM KDSALKVLYL HNNQLLAGGL HAEKVIKGEE ISVVPNRALD ASLSPVILGV QGGSQCLSCG TEKGPILKLE PVNIMELYLG AKESKSFTFY RRDMGLTSSF ESAAYPGWFL CTSPEADQPV RLTQIPEDPA WDAPITDFYF QQCD

**Purity:**Greater than 95.0% as determined by SDS-PAGE.

**Formulation:**
Lyophilized from a 0.2

**Stability:**
Lyophilized IL 36RN althoμgh 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.

**Usage:**
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

**Solubility:**
It is recommended to reconstitute the lyophilized IL36RN in sterile 18M-cm H2O not less than 100

**Introduction:**
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.

**Biological Activity:**
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 0.8-4μg/ml (corresponding to a specific activity of 250-125units/mg) in the presence of 15ng/ml of recombinant mouse IL-36b.

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