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## Product Data Sheet

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Product Name: IL36RN Mouse

Cat. No.: GP20656

Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.

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

Solubility  
 It is recommended to reconstitute the lyophilized IL36RN in sterile 18M-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Formulation  
 Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.

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

**Stability**

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

**Caution: Product has not been fully validated for medical applications. For research use only.**

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2-7 days and for future use below -18°C .Please prevent freeze-thaw cycles.

### Background

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.

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