

Growth Factor Data Sheet

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Interleukin-36 receptor antagonist (IL36RN) is a secreted protein that belongs to the interleukin 1 cytokine family (IL1 family) and is predominantly expressed in keratinocytes, but not in fibroblasts, endothelial cells or melanocytes. IL36RN has been reported to antagonize the biological activity of IL36A (IL1F6), IL36B (IL1F8), and IL36G (IL1F9). Furthermore, it could constitute part of an independent signaling system analogous to IL1A, IL1B receptor agonist and interleukin-1 receptor type I (IL1R1). In addition, the receptor for IL36RN has not been positively identified; however there is indirect evidence that suggests IL1Rrp2 is the receptor. Recombinant murine IL36 RN contains 154 amino acid residues and shares 91% amino acid sequence identity with human IL36RN.

Catalog Number	1310-36G
Product Name	IL36RN (IL-36RA), Murine Recombinant Murine Interleukin-36RN IL36RA, IL36RN Interleukin 1 Receptor Antagonist Homolog 1 (IL1HY1) Interleukin 1 Family, Member 5 (IL1F5) Family of Interleukin 1- δ (FIL1- δ)
Source	<i>Escherichia coli</i>
MW	~16.9 kDa (154 amino acids)
Sequence	VLSGALCFRM KDSALKVLYL HNNQLLAGGL HAEKVIK GEE ISVVPNRALD ASLSPVILGV QGGSQLSCG TEKGPIKLE PVNIMELYLG AKESKSFTFY RRDMLTSSF ESAAYPGWFL CTSPEADQPV RLTQIPEDPA WDAPITDFYF QQCD
Accession Number	Q9QYY1
Purity	>95% by SDS-PAGE and HPLC analyses
Biological Activity	It is determined by its ability to inhibit IL-36 γ induced IL-6 production by human PBMCs.
Formulation	Sterile filtered white lyophilized powder. Purified and tested for use in cell culture.
Storage/Handling	This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage. The reconstituted sample can be apportioned into working aliquots and stored at -80 °C for up to 6 months. Avoid repeated freeze/thaw cycles.
Reconstitution	The sample should be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in a siliconized tube using PBS that contains a 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Reconstituted solutions are stable for up to one week at 2-8°C. Stock solutions should be aliquoted and stored at -80°C. Further dilutions should be made in appropriate buffered solutions containing BSA or serum.