

Recombinant Murine Interleukin-36 Receptor Antagonist Protein

Catalog No: #AP60172

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Package Size: #AP60172-1 10ug #AP60172-2 100ug #AP60172-3 500ug

Description

Product Name	Recombinant Murine Interleukin-36 Receptor Antagonist Protein
Host Species	Escherichia coli.
Purification	> 95 % by SDS-PAGE and HPLC analyses.
Other Names	IL-1HY1, IL-1 delta, IL-1F5, IL-1H3, IL-1L1
Uniprot	Q9QYY1
GeneID	54450
Calculated MW	Approximately 16.9 kDa, a single non-glycosylated polypeptide chain containing 154 amino acids.
Target Sequence	VLSGALCFRM KDSALKVLYL HNNQLLAGGL HAEKVIK GEE ISVVPNRALD ASLSPVILGV QGGSQCLSCG TEKGPILKLE PVNIMELYLG AKESKSFTFY RRDMLTSSF ESAAYPGWFL CTSPEADQPV RLTQIPEDPA WDAPITDFYF QQCD
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.- 12 months from date of receipt, -20 to -70 °C as supplied.- 1 month, 2 to 8 °C under sterile conditions after reconstitution.- 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Background

Interleukin-36 receptor antagonist (IL-36RA) is a secreted protein which belongs to the interleukin 1 cytokine family (IL-1 family) and it is predominantly expressed in keratinocytes but not in fibroblasts, endothelial cells or melanocytes. IL-36RA has been reported to antagonize the biological activity of IL-36 α (IL-1F6), IL-36 β (IL-1F8), and IL-36 γ (IL-1F9). Furthermore, it could constitute part of an independent signaling system analogous to interleukin-1 alpha (IL-1A), beta (IL-1B) receptor agonist and interleukin-1 receptor type I (IL-1R1). In addition, The receptor for IL-36RA has not been positively identified. Indirect evidence suggests it is IL-1Rrp2. Recombinant murine interleukin-36 RA contains 154 amino acid residues and it shares 91 % a.a. sequence identity with human IL-36RA.

Note: This product is for in vitro research use only