Active Recombinant Mouse Il36rn Protein (Met2-Asp156), C-His tagged, Animal-free, Carrier-free

Cat. No. Il36rn-250M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Il36rn Protein (Met2-Asp156) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Mouse
Source	E.coli
ProteinLength	Met2-Asp156
Description	Interleukin 36 receptor antagonist (IL-36RA) is a 17.21 kDa cytokine with 155 amino acid residues and a member of the IL-36 family. It is mainly secreted from the stomach, lungs, and kidneys. IL-36RA binds to the interleukin-36 receptor and plays a critical role in the anti-inflammatory effect by mediating MAPK and NF-κB signaling pathways. IL-36RA inhibits proinflammatory effect via suppressing production of IL-6, IL-17, and interferon-gamma and promoting production of IL-4.
Form	Lyophilized
Bio-activity	Measure by its ability to inhibit IL-36 gamma-induced IL-6 secretion in 3T3 cells. The ED50 for this effect is < 2 μg/mL.
Molecular Mass	The protein has a calculated MW of 17.81 kDa. The protein migrates as 17-25 kDa under reducing condition (SDS-PAGE analysis).

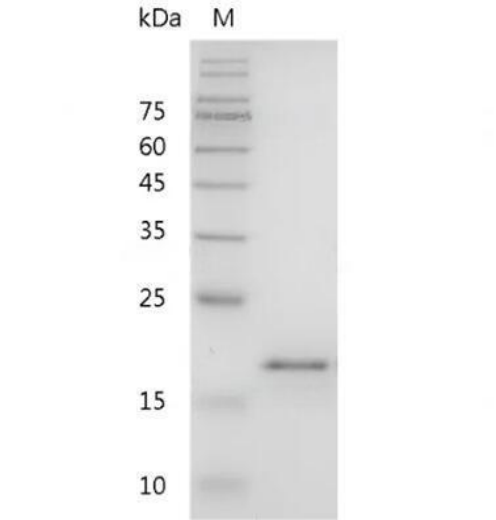
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	Il36rn interleukin 36 receptor antagonist [Mus musculus (house mouse)]
Official Symbol	Il36rn
Synonyms	IL36RN; interleukin 36 receptor antagonist; IL1F5, interleukin 1 family, member 5 (delta); interleukin-36 receptor antagonist protein; family of interleukin 1 delta; FIL1; FIL1(DELTA); FIL1D; IL 1 related protein 3; IL 1F5; IL1HY1; IL1L1; IL1RP3; IL36RA; interleukin 1 HY1; interleukin 1 receptor antagonist homolog 1; MGC29840; IL-1ra homolog 1; interleukin-1 HY1; IL-1 related protein 3; interleukin-1-like protein 1; family of interleukin 1-delta; IL1F5 (Canonical product IL-1F5a); interleukin 1 family, member 5 (delta); interleukin-1 receptor antagonist homolog 1; IL-1F5 (IL-1HY1, FIL1-delta, IL-

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	1RP3, IL-1L1, IL-1-delta); IL1F5; PSORP;
Gene ID	54450
mRNA Refseq	NM_001146087
Protein Refseq	NP_001139559
UniProt ID	Q9QYY1
SDS-PAGE analysis of recombinant mouse IL-36RA.	

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA