

Active Recombinant Mouse Il36rn Protein, His-Tagged

Cat. No. Il36rn-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Il36rn Protein, His-tagged was expressed in E. coli cell
Species	Mouse
Source	E.coli
Description	As a result of the interaction of IL-36 ligands with the IL-1Rrp2 receptor. Various activities including dendritic cell maturation and activation are induced. IL-36RA can antagonize the NF-κB signaling through binding to the IL-1Rrp2 receptor by either IL-36α, β or γ in a way of preventing the initiation of functional signaling.
Form	Lyophilized powder
AA Sequence	MVLSGALCFRMKDSALKVLYLHNNQLLAGGLHAEKVIKGEEISVVPNRALDASLSPVI LGVQGGSQLSCGTEKGPIKLKLEPVNIMELYLGAKE SKSFTFYRRDMGLTSSFESAAYPGWFLCTSPEADQPVRTLTQIPEDPAWDAPITDFYF QQCD with polyhistidine tag at the C-terminus
Endotoxin	<0.1 EU per 1 µg of the protein by the LAL method.
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.
Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography

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Storage Buffer	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Notes	Please use within one month after protein reconstitution.

GENE INFORMATION

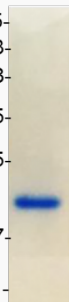
Gene Name	Il36rn interleukin 36 receptor antagonist [<i>Mus musculus</i> (house mouse)]
Official Symbol	Il36rn
Synonyms	Il1f5; If36rn; Il-1h3; Il1hy1; IL-36Ra; Fil1delta
Gene ID	54450
mRNA Refseq	NM_001146087.1
Protein Refseq	NP_001139559.1
UniProt ID	Q9JIG2

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