

Product datasheet for **TP728358**

Recombinant IL-36RA (Interleukin-36 receptor antagonist), Mouse

Product data:

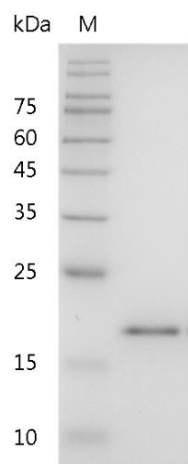
Product Type:	Recombinant Proteins
Description:	Recombinant IL-36RA (Interleukin-36 receptor antagonist), Mouse
Species:	Mouse
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MVLSGALCFRMKDSALKVLYLHNNQLLAGGLHAEKVIKGEIISVVPNRALDASLSPVILGVQGGSQCLSCG TEKGPIKLEPVNIMELYLGAKESKSFTFYRRDMGLTSSFESAAYPGWFLCTSPEADQPVRLTQIPEDPAWD APITDFYFQQCD with polyhistidine tag at the C-terminus.
Tag:	His Tag (C-term)
Predicted MW:	The protein has a calculated MW of 17.81 kDa. The protein migrates as 17-25 kDa under reducing condition (SDS-PAGE analysis).
Purity:	>98% as determined by SDS-PAGE.
Buffer:	The protein was lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH 7.4.
Bioactivity:	Measure by its ability to inhibit IL-36 gamma-induced IL-6 secretion in 3T3 cells. The ED ₅₀ for this effect is <2 µg/mL.
Endotoxin:	<0.1 EU per 1 µg of the protein by the LAL method.
Reconstitution Method:	Centrifuge at 3000 rpm for 5 mins before opening. 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 at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.
Applications:	Cell culture
Storage:	Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.
UniProt ID:	Q9QYY1
Synonyms:	FIL1 delta, IL-1F5, IL-1HY1, IL-1L1, IL-1RP3, IL-1ra Homolog 1, IL-1 delta



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Summary:

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- κ B signaling pathways. IL-36RA inhibits proinflammatory effect via suppressing production of IL-6, IL-17, and interferon-gamma and promoting production of IL-4.

Product images:

SDS- PAGE analysis of recombinant mouse IL-36RA