

Mouse recombinant IL-36RA (Interleukin-36 receptor antagonist) protein, AF

Catalog Number: PROTQ9QYY1-2

Overview

Product Name	Mouse recombinant IL-36RA (Interleukin-36 receptor antagonist) protein, AF
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-kappaB signaling pathways. IL-36RA inhibits proinflammatory effect via suppressing production of IL-6, IL-17, and interferon-gamma and promoting production of IL-4.
Size	5ug,20ug,100ug
Tag	His Tag (C-term)
Form	Lyophilized
Source	Escherichia coli
Formulation	The protein was lyophilized from a 0.2 um filtered solution containing 1X PBS, pH 7.4. If you have any concerns or special requirements, please confirm with us.

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.

Purity

>98% as determined by SDS-PAGE.

Molecular weight

The protein has a calculated MW of 17.81 kDa. The protein migrates as 17-25 kDa under reducing condition (SDS-PAGE analysis).

Activity

Measure by its ability to inhibit IL-36 gamma-induced IL-6 secretion in 3T3 cells. The ED₅₀ for this effect is <2 ug/mL.

Endotoxin

<0.1 EU per 1 ug of the protein by the LAL method.

Amino Acid Sequence

MVLSGALCFRMKDSALKVLYLHNNQLLAGGLHAEKVIKGEEISVVPNRALDASLSPVILGVQGGSQLSCGTEKGPIKLEPVNIMELYLGAKESKSFTFYR
RDMGLTSSFESAAYPGWFLCTSPEADQPVRTQIPEDPAWDAPITDFYFQQCD with polyhistidine tag at the C-terminus.

Reconstitution

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 100 ug/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.

Usage

Boster's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Mouse recombinant IL-36RA (Interleukin-36 receptor antagonist) protein, AF