

Recombinant Mouse Interleukin-5 Receptor Subunit Alpha (Il5ra)

Cat. No.: AP4C800

Product Type: Animal Proteins

Size: 10 µg; 50 µg; 200 µg; 1 mg; 5 mg

Product Overview

BioVenic's Recombinant Mouse Interleukin-5 Receptor Subunit Alpha (Il5ra) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 22.4 kDa. The purity is > 95%.

Specifications

Type	Recombinant Protein
Species	Mouse
Expression System	<i>E.coli</i>
Purity	> 95%
Endotoxin	<1.0 EU per 1µg (determined by the LAL method)
Predicted Molecular Weight	22.4 kDa
Physical State	Lyophilized
Formulation	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.

Target Information

Mouse Interleukin-5 Receptor Subunit Alpha (Il5ra) is a critical component of the IL-5 receptor complex, essential for the biological activities of IL-5. This receptor is a heterodimer composed of an IL-5-specific alpha subunit (Il5ra) and a beta subunit shared by other cytokine receptors. Il5ra is highly expressed in eosinophils and basophils, mediating IL-5 signaling to promote the survival, proliferation, and activation of these cells. In mouse models, Il5ra plays a crucial role in regulating IgA production in mucosal tissues. Abnormal expression of Il5ra has been implicated in various diseases, including asthma and allergic responses.

Protein	Mouse Interleukin-5 Receptor Subunit Alpha (Il5ra)
Protein Synonym	IL-5 receptor subunit alpha; IL-5R subunit alpha; IL-5R-alpha; IL-5RA; CD125
Gene ID	16192
EC No.	P21183

Shipping and Storage

This product is shipped with ice packs. Lyophilized protein can be stored at -80°C for 1 year. After reconstitution, the protein solution can be stored at 2-8°C for 2-7 days.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in PBS or others. Aliquot the reconstituted solution to minimize freeze-thaw cycles.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.