

Active Recombinant Mouse IL13ra2 protein(Met1-Lys334), His&hFc-tagged

Cat. No. IL13ra2-764M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse IL13Ra2 (NP_032382.1)(Met 1-Lys 334) was expressed in HEK293, fused with the C-terminal polyhistidine-tagged Fc region of Human IgG1 at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Lys334
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	1. Immobilized human IL13 at 20 µg/ml (100 µl/well) can bind mouse IL13RA2 with a linear range of 0.5-2 µg/ml. 2. Measured by its ability to inhibit IL13-dependent proliferation of TF1 human erythroleukemic cells. The ED50 for this effect is typically 5-30 ng/ml.
Molecular Mass	The recombinant mouse IL13Ra2/Fc is a disulfide-linked homodimer after removal of the signal peptide. The reduced monomer consists of 561 amino acids and has a predicted molecular mass of 64.5 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmlIL13Ra2/Fc monomer is approximately 75-80 kDa due to glycosylation.

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Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 85 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	IL13ra2 interleukin 13 receptor, alpha 2 [<i>Mus musculus</i>]
Official Symbol	IL13ra2
Synonyms	IL13RA2; interleukin 13 receptor, alpha 2; interleukin-13 receptor subunit alpha-2; IL-13RA2; IL-13R-alpha-2; IL-13R subunit alpha-2; IL-13 receptor subunit alpha-2; CD213a2;
Gene ID	16165
mRNA Refseq	NM_008356
Protein Refseq	NP_032382

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