

# Recombinant Mouse IL13RA1 Protein (Fc Tag)

Catalog Number:PKSM041321



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

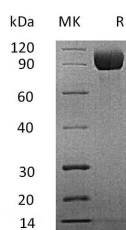
## Description

<b>Synonyms</b>	Interleukin-13 receptor subunit alpha-1;IL-13RA1;Interleukin-13-binding protein;Novel cytokine receptor 4;NR4;CD213a1;IL-13 R alpha 1
<b>Species</b>	Mouse
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Ala25-Thr340
<b>Accession</b>	O09030
<b>Calculated Molecular Weight</b>	63.0 kDa
<b>Observed molecular weight</b>	80-120 kDa
<b>Tag</b>	C-Fc

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

Interleukin-13 receptor subunit alpha-1(IL-13RA1), also known as NR4, belongs to the hemopoietin receptor family. Interleukin-13 receptor is a complex of IL4R, IL13RA1, and possibly other components. It interacts with TRAF3IP1 and binds with low affinity to interleukin-13(IL3). IL-13RA1, together with IL4RA, can form a functional receptor for IL13. It also serves as an alternate accessory protein to the common cytokine receptor gamma chain for interleukin-4 (IL4) signaling, but cannot replace the function of IL2RG in allowing enhanced interleukin-2 (IL2) binding activity. The WSXWS motif in domains appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding.

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