

IL-13RA1 Protein, Mouse, Recombinant (His & Avi), Biotinylated

General Information

Synonyms:	Interleukin-13 receptor subunit α -1;NR4;Interleukin-13 receptor subunit alpha-1;IL-13RA1; Novel cytokine receptor 4;Interleukin-13-binding protein;CD213a1
Protein Construction:	Ala25-Thr340
Species:	Mouse
Expression Host:	HEK293 Cells
Accession:	O09030
Molecular Weight:	58-85 KDa (reducing condition)
AA Sequence:	Ala25-Thr340

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/ μ g (1 EU/ μ g) as determined by LAL test.
Formulation:	Lyophilized from a solution filtered through a 0.22 μ m filter, containing PBS, pH 7.4.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μ g/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C . For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein 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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