

Recombinant Mouse IL-2RA/CD25 Protein

Catalog No.: RP01481

Sequence Information

Species **Gene ID**
Mouse 16184

Swiss Prot **Tags**
P01590 C-hFc

Synonyms

CD25, IL2r, Ly-43, p55, CD25, IL2R, IMD41, TCGFR, IDDM10

Product Information

Source **Purification**
HEK293 cells ≥ 95 % as
 determined by
 SDS-PAGE.

Calculated MW **Observed MW**
50.63 kDa 55–70 kDa

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1–0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

The interleukin 2 (IL2) receptor alpha (IL2RA) and beta (IL2RB) chains, together with the common gamma chain (IL2RG), constitute the high-affinity IL2 receptor. Homodimeric alpha chains (IL2RA) result in low-affinity receptor, while homodimeric beta (IL2RB) chains produce a medium-affinity receptor. Normally an integral-membrane protein, soluble IL2RA has been isolated and determined to result from extracellular proteolysis. Alternately-spliced IL2RA mRNAs have been isolated, but the significance of each is presently unknown.

Basic Information

Description

Recombinant Mouse IL-2RA/CD25 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Glu22–Lys236) of mouse CD25/IL-2Ralpha (Accession #NP_032393.3) fused with a hFc tag at the C-terminus.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

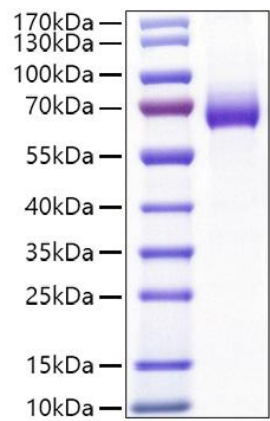
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Validation Data



Recombinant Mouse IL-2RA/CD25 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.