

Recombinant Human CD25/IL-2R alpha Protein

Catalog No.: RP00076 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	3559	P01589

Tags

C-6×His

Synonyms

CD25;IDDM10;IL2R;IMD41;p55;TCGFR

Product Information

Source	Purification
HEK293 cells	> 97% by SDS-PAGE.

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. Contact us for customized product form or formulation.

Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

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 Human CD25/IL-2R alpha Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Glu22-Cys213) of human CD25/IL-2R alpha (Accession #NP_000408.1) fused with a 6×His tag at the C-terminus.

Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Recombinant human IL2R at 2 μg/mL (100 μL/well) can bind Recombinant human IL2 with a linear range of 5-30 ng/mL.

Storage

Store the lyophilized protein at -20°C to -80 °C for long term.

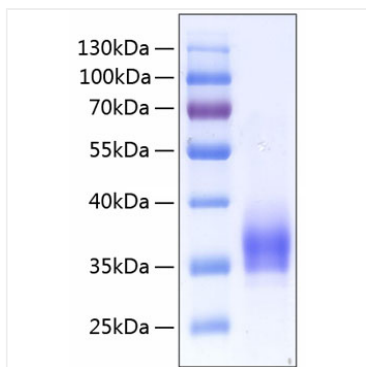
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.

Avoid repeated freeze/thaw cycles.

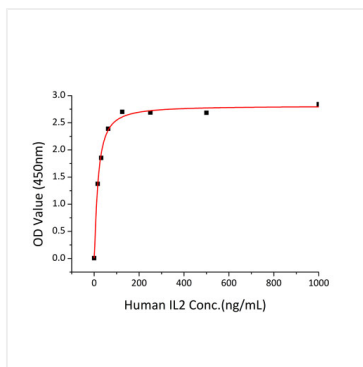
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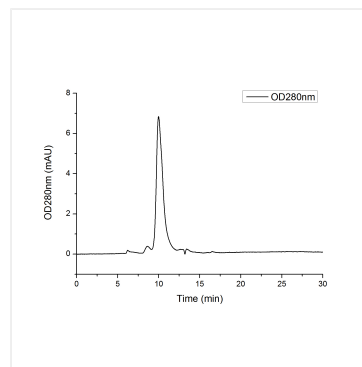
Validation Data



Recombinant Human CD25/IL-2R alpha Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 35-40 kDa.



Immobilized Recombinant human IL2R at 2 $\mu\text{g/mL}$ (100 $\mu\text{L/well}$) can bind Recombinant human IL2 with a linear range of 5-30 ng/mL.



The purity of Human CD25/IL-2R alpha Protein (Cat.RP00076) was greater than 95% as determined by SEC-HPLC.