

Active Recombinant Human IL2RA protein, His-tagged, Endotoxin-Free

Cat. No. IL2RA-2025H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human IL2RA protein(NP_000408.1) (Met1-Cys213) was expressed in HEK293 with a C-terminal polyhistidine tag.
Species	Human
Source	HEK293
ProteinLength	1-213 aa
Form	Supplied as sterile PBS, pH 7.4.
Bio-activity	1.Measured by its ability to inhibit IL2-induced proliferation of Mo7e cells. The ED50 for this effect is 0.2-1.2 µg/mL in the presence of 5 ng/mL of recombinant human IL2. 2.Loaded Recombinant Human IL2Ra / CD25 Protein (His Tag) on His1K Biosensor, can bind Recombinant Human IL2 Protein with an affinity constant of 50.5 nM as determined in BLI assay (Sartorius Octet RED384).
Molecular Mass	The recombinant human IL2Rα consists of 203 amino acids and has a predicted molecular mass of 23.3 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhIL2Rα is approximately 44 kDa due to glycosylation. The molecular weight of this protein is around 32.4 kDa verified by SEC-MALS (Routinely tested).
Endotoxin	< 0.5 EU per mg protein.

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Purity	≥ 97 % as determined by SDS-PAGE. ≥ 90 % as determined by SEC-HPLC. ≥ 90 % as determined by SEC-MALS(Routinely tested).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Concentration	0.1-1.0 mg/mL. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	IL2RA interleukin 2 receptor, alpha [Homo sapiens]
Official Symbol	IL2RA
Synonyms	IL2RA; interleukin 2 receptor, alpha; IL2R; interleukin-2 receptor subunit alpha; CD25; p55; IL2-RA; IL-2-RA; TAC antigen; IL-2R subunit alpha; IL-2 receptor subunit alpha; TCGFR; IDDM10;
Gene ID	3559
mRNA Refseq	NM_000417
Protein Refseq	NP_000408
MIM	147730
UniProt ID	P01589

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