

# Recombinant Human interleukin 2 receptor, alpha Protein, Tag Free

Cat. No. IL2RA-165H Lot. No. (See product label)

## SPECIFICATION

### Product Overview

Recombinant human IL-2R alpha protein (P01589) (Glu 22-Gln 240) without tag was expressed in HEK293.

### Species

Human

### Source

HEK293

### ProteinLength

22-240aa

### Description

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. Mutations in this gene are associated with interleukin 2 receptor alpha deficiency. Patients with severe Coronavirus Disease 2019 (COVID-19), the disease caused by the novel severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), have significantly elevated levels of IL2R in their plasma. Similarly, serum IL-2R levels are found to be elevated in patients with different types of carcinomas. Certain IL2RA and IL2RB gene polymorphisms have been associated with lung cancer risk.

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<b>Tag</b>	Non
<b>Molecular Mass</b>	25.2 kDa
<b>Endotoxin</b>	Less than 1.0 EU/μg by the LAL method.
<b>Purity</b>	>95% as determined by SDS-PAGE.
<b>Storage</b>	Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.
<b>Storage Buffer</b>	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.
<b>Reconstitution</b>	Reconstitute at 250 μg/mL in sterile water.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	<a href="#">IL2RA interleukin 2 receptor, alpha [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	<a href="#">IL2RA</a>
<b>Synonyms</b>	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;
<b>Gene ID</b>	<a href="#">3559</a>
<b>mRNA Refseq</b>	<a href="#">NM_000417</a>

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**Protein Refseq** NP\_000408

**MIM** 147730

**UniProt ID** P01589

**Protein on SDS-PAGE under reducing (R) condition.**



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