

Recombinant Human IL2RA Protein, His\Avi-tagged

Cat. No. IL2RA-216H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated recombinant Human Interleukin-2 Receptor subunit alpha is produced by our Mammalian expression system and the target gene encoding Glu22-Gln240 is expressed with an Avi and 6His tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	22-240 a.a.
Description	Interleukin-2 receptor subunit alpha (IL2RA) is a single-pass type I membrane glycoprotein, contains 2 Sushi (CCP/SCR) domains. IL2RA is expressed on activated T cells and regulatory T cells, and can bind IL2 with low affinity by itself. The interleukin 2 (IL2) receptor alpha (IL2RA) and beta (IL2RB) chains, together with the common gamma chain (IL2RG), constitute the high-affinity IL2 receptor. While homodimeric alpha chains (IL2RA) result in low-affinity receptor, homodimeric beta (IL2RB) chains produce a medium-affinity receptor. CD25 has been previously regarded as an activation marker on dendritic cells. Although both murine and human dendritic cells can express CD25, they do not express the beta-chain of the IL-2 receptor, which is indispensable for the execution of IL-2 signaling.
Form	Supplied as a 0.2 um filtered solution of PBS, pH7.4.
Molecular Mass	Predicted Molecular Weight: 30.4kDa Apparent Molecular Weight: 35-66.2kDa.

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AA Sequence	Glu22-Gln240
Endotoxin	Less than 0.1 EU/ug.
Purity	>95%
Storage	Store at ≤-70 centigrade, stable for 6 months after receipt. Store at ≤-70 centigrade, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Quality Statement	Purity: greater than 95% as determined by reducing SDS-PAGE
Shipping	The product is shipped on dry ice pack. Upon receipt, store it immediately at the temperature listed below.

GENE INFORMATION

Gene Name	IL2RA interleukin 2 receptor subunit alpha [Homo sapiens (human)]
Official Symbol	IL2RA
Synonyms	Interleukin-2 receptor subunit alpha; CD25; p55; TAC antigen; IL2-RA; IL-2R subunit alpha; IL-2-RA; IL-2 receptor subunit alpha; IL2R; IMD41; TCGFR; IDDM10
Gene ID	3559
mRNA Refseq	NM_000417.3
Protein Refseq	NP_000408.1
MIM	147730

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UniProt ID

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