

Active Recombinant Human IL2RA Protein

Cat. No. IL2RA-948H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL2RA was expressed in Hi-5 insect cells.
Species	Human
Source	Hi-5 Insect Cells
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.
Form	Lyophilized from a 0.2 M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bio-activity	Determined by its ability to increase the proliferation effect of IL-2 in murine CTLL-2 cells. In the presence of 1 ng/ml of recombinant IL-2, the expected ED50 for this effect is between 0.5 - 1.5 ug/ml.
Molecular Mass	24.8 kDa
AA Sequence	ELCDDDPPEIPHATFKAMAYKEGTMLNCECKRGFRRIKSGSLYMLCTGNSSHSSWD

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NQCQCTSSATRNTTKQVTPQPREEQKERKTTEMQSPMQPVDQASLPGHCREPPPW
 ENEATERIYHFVVGQMVYYQCVQGYRALHRGPAESVCKMTHGKTRWTQPQLICTG
 EMETSQFPGEEKPQASPEGRPESETSCLVTTTDFQIQTEMAATMETSIFTTEYQ

Endotoxin Endotoxin level is <0.1 ng/g of protein (<1EU/g).

Purity >95% as determined by SDS-PAGE and Coomassie blue staining

Concentration Resuspend the protein in the desired concentration in proper buffer

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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