

IL2RA (CD25) Active Protein | CD25 active protein

Human IL2RA Recombinant (CD25)

CATALOG #	HOST
AAA76070	HEK293 Cells (Host protein expression may be lot-specific and can be subject to change during production, including bulk orders)

PRODUCT SYNONYMS

IL2RA (CD25); Human IL2RA Recombinant (CD25); Human CD25 Recombinant (IL2Ra) ; CD25; IDDM10; IL2R; TCGFR; il-2R; CD25 active protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells (Host protein expression may be lot-specific and can be subject to change during production, including bulk orders)
Purity/Purification	>97%, as determined by SDS-PAGE and HPLC
Form/Format	Recombinant CD25 is supplied as a 0.2 um filtered PBS solution, pH7.2.
Sequence Length	272
Domain	Extracellular
Host Note	Optimized DNA sequence encoding extracellular domain of human CD25 including a C-terminal polyHis tag was expressed in HEK293 cells
Biological Activity	The activity of recombinant IL-2Ra (CD25) was determined by its ability to bind Human IL-2 with an affinity constant of 30nM.
Presentation	Recombinant CD25 is supplied as a 0.2um filtered PBS solution pH 7.4.
Reconstitution	A quick spin of the vial followed by reconstitution in distilled water to prepare a stock solution concentration not less than 0.1mg/ml.
Endotoxin	Endotoxin content was assayed using a LAL gel clot method. Endotoxin level was found to be less than 0.1 ng/ug (1EU/ug).
Molecular Weight Note	Recombinant CD25 is a monomer protein consisting of 203 amino acid residue subunits, due to glycosylation migrates as an approximately 44 kDa protein on SDS-PAGE.
Preparation and Storage	Recombinant CD25, as supplied, can be stored in working aliquots at 2 degree - 8 degree C for one month, or at -20 degree C to -70 degree C for twelve months. Avoid repeated freeze/thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for CD25 active protein	This cell surface antigen is known also as TAC antigen. It is expressed on T-cells and B-cells following cell activation by antigens. An old designation for the murine counterpart is Ly43. The rat antigen is OX39. CD25 is identical with IL2RA, which is the approved gene symbol. It is called also T- cell growth factor receptor (TCGFR)
Product Categories/Family for CD25 active protein	Receptors CD

References	- defects in il-2r signaling contribute to diminished maintenance of foxp3 expression in cd4+CD25+ regulatory t-cells of type 1 diabetic subjects .<i>Diabetes</i>, Feb 2010; 59: 407 - 415. - il-2/anti-il-2 antibody complexes show strong biological activity by avoiding interaction with il-2 receptor subunit CD25 .<i>PNAS</i>, Jan 2010; 10.1073/pnas.0909384107. - functional characterization of alloreactive t cells identifies CD25 and cd71 as optimal targets for a clinically applicable alodepletion strategy .<i>Blood</i>, Jan 2010; 115: 396 - 407. - cd4+ t cell regulation of CD25 expression controls development of short-lived effector cd8+ t cells in primary and secondary responses .<i>PNAS</i>, Jan 2010; 107: 193 - 198. - cd4+CD25+ regulatory t cells resist a novel form of cd28- and fas-dependent p53-induced t cell apoptosis .<i>J. Immunol.</i>, Jan 2010; 184: 94 - 104.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557667
NCBI GeneID	3559
NCBI Accession #	NP_000408.1
NCBI GenBank Nucleotide #	NM_000417.2
UniProt Accession #	P01589; Q5W007; O15163; Q53FH4; Q5W006
Molecular Weight	30,819 Da
NCBI Official Full Name	interleukin-2 receptor subunit alpha
UniProt Protein Name	Interleukin-2 receptor subunit alpha
UniProt Gene Name	IL2RA
UniProt Synonym Gene Names	IL-2 receptor subunit alpha; IL-2-RA; IL-2R subunit alpha; IL2-RA
UniProt Entry Name	IL2RA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/hek293-cells-host-protein-expression-may-be-lot-specific-and-can-be-subject-to-change-during-production-including-bulk-orders-active-protein/il2ra-cd25/76070>