

IL-2RG (CD132) Active Protein | IL2RG active protein

Human IL-2RG Recombinant (CD132)

CATALOG #	HOST
AAA14430	HEK Cells (Host protein expression may be lot-specific and can be subject to change during production, including bulk orders)

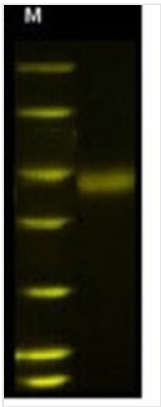
PRODUCT SYNONYMS

IL-2RG (CD132); Human IL-2RG Recombinant (CD132); Human IL-2RG Recombinant; il-2RG; il2RG; CD132; IL2RG active protein

PRODUCT SPECIFICATIONS

Host	HEK 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
Form/Format	Lyophilized from a 0.2um filtered PBS solution pH 7.4.
Sequence	LNTTILTPNG NEDTTADFFL TTMPDLSLV STLPLPEVQC FVFNVEYMNC TWNSSSEPQP TNLTLYHYWK NSDNDKVQKC SHYLFSEIT SGCQLQKKEI HLYQTFVVQL QDPREPRRQA TQMLKLQNLV IPWAPENLTL HKLSQSLEL NWNRRFLNHC LEHLVQYRTD WDHSWTEQSV DYRHKFSLPS VDGQKRYTFR VRSRFPNLCG SAQHWSEWSH PIHWGSNTSK ENPFLFALEA HHHHHHHHHH H
Host Note	DNA sequence encoding extracellular domain of Human IL2RG (Common gamma chain) to a C-terminal polyHis tag was expressed in HEK cells.
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).
Reconstitution	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Molecular Weight Note	Recombinant Human Interleukin-2 receptor gamma (Common gamma chain) is a monomer consisting of 242 amino acid residue, and migrates as an approximately 43 kDa protein under reducing conditions in SDS-PAGE.
Biological Activity	The activity was determined by the ability to bind recombinant IL-2 in functional ELISA.
Preparation and Storage	The lyophilized protein is stable for at least 1 year from date of receipt at -20°C. Upon reconstitution, this cytokine can be stored in working aliquots at 2-8°C for one month, or at -20°C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for IL2RG active protein	Interleukin (IL) -2, IL-4, IL-7, IL-9 and IL-15 belong to a family of cytokines whose receptors share the common γ chain (γ c). Despite some redundancy, these cytokines that signal through the γ c (γ c cytokines) have essentially distinct and often critical effects in normal T-cell development, survival, proliferation and differentiation. Importantly, they have also been implicated, directly or indirectly, in T-cell leukemogenesis.
Product Categories/Family for IL2RG active protein	Receptors CD
References	• <i>il-21 is the primary Common gamma chain-binding cytokine required for human b-cell differentiation in vivo . Blood, Oct 2011; 10.1182/blood-2011-06-362533.</i> • <i>il-2r common -chain is epigenetically silenced by nucleophosphin–anaplastic lymphoma kinase (npm-alk) and acts as a tumor suppressor by targeting npm-alk .PNAS, Jul 2011; 108: 11977 - 11982.</i> • <i>a subpopulation of follicular lymphoma tumor infiltrating t cells shows suppressed Common gamma chain cytokine signaling. .Blood (ASH Annual Meeting Abstracts), Nov 2009; 114: 759.</i> • <i>common -chain-dependent signals confer selective survival of eosinophils in the murine small intestine .J. Immunol., Nov 2009; 183: 5600 - 5607.</i> • <i>cell cycle progression following naive t cell activation is independent of jak3/common -chain cytokine signals .J. Immunol., Oct 2009; 183: 4493 - 4501.</i>

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557882
NCBI GeneID	3561
NCBI Accession #	NP_000197.1
NCBI GenBank Nucleotide #	NM_000206.2
UniProt Accession #	P31785
Molecular Weight	Recombinant Human Interleukin-2 receptor gamma (Common gamma chain) is a monomer consisting of 252 amino acid residue , and migrates as an approximately 43 kDa protein under reducing conditions in SDS-PAGE.
NCBI Official Full Name	cytokine receptor common subunit gamma
UniProt Protein Name	Cytokine receptor common subunit gamma
UniProt Gene Name	IL2RG
UniProt Synonym Gene Names	IL-2 receptor subunit gamma; IL-2R subunit gamma; IL-2RG
UniProt Entry Name	IL2RG_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/hek-cells-il2rg-active-protein/il-2rg-cd132/14430>