Cytokine receptor common subunit gamma (IL2RG) Active Protein | IL2RG active protein

Recombinant Human Cytokine receptor common subunit gamma (IL2RG), partial (Active)

CATALOG #	HOST
AAA279362	**Mammalian Cell**

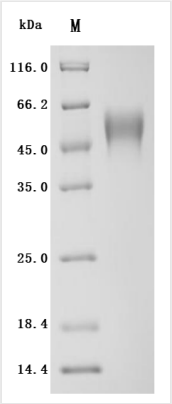
PRODUCT SYNONYMS

Cytokine receptor common subunit gamma (IL2RG); Recombinant Human Cytokine receptor common subunit gamma (IL2RG); partial (Active); Interleukin-2 receptor subunit gamma (IL-2 receptor subunit gamma; IL-2R subunit gamma; IL-2RG); gammaC; p64; CD132; IL2RG active protein

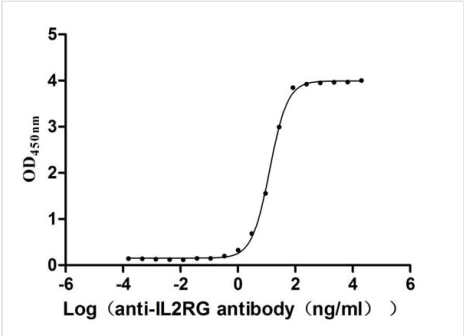
PRODUCT SPECIFICATIONS

Host	Mammalian Cell
Purity/Purification	Greater than 95% as determined by SDS-PAGE.
Form/Format	Lyophilized powder; Lyophilized from a 0.2um sterile filtered PBS, 6% Trehalose, pH 7.4.
Sequence	LNTTILTPNG NEDTTADFFL TTMPTDSLSV STLPLPEVQC FVFNVEYMNC TWNSSSEPQP TNLTLHYWYK NSDNDKVQKC SHYLFSEEIT SGCQLQKKEI HLYQTFVVQL QDPREPRRQA TQMLKLQNLV IPWAPENLTL HKLSESQLEL NWNNRFLNHC LEHLVQYRTD WDHSWTEQSV DYRHKFSLPS VDGQKRYTFR VRSRFNPLCG SAQHWSEWSH PIHWGSNTSK EN
Sequence Length	23-254aa; Partial
Species	Homo sapiens (Human)
Tag	C-terminal 10xHis-tagged
Endotoxin	Less than 1.0 EU/ug as determined by LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human IL2RG at 2ug/mL can bind Anti-IL2RG recombinant antibody . The EC50 is 12.19-13.63ng/mL.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20 degree C/-80 degree C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Preparation and Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C. Notes: Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week.

IMAGES



SDS-PAGE
Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Activity

ADDITIONAL INFORMATION

Related Product Information for IL2RG active protein	Common subunit for the receptors for a variety of interleukins. Probably in association with IL15RA, involved in the stimulation of neutrophil phagocytosis by IL15.
Product Categories/Family for IL2RG active protein	Immunology
References	The DNA sequence of the human X chromosome. Ross M.T., Grafham D.V., Coffey A.J., Scherer S., McLay K., Muzny D., Platzer M., Howell G.R., Burrows C., Bentley D.R.Nature 434:325-337 (2005)

NCBI AND UNIPROT INFORMATION

NCBI GI #	400048
NCBI GeneID	3561
UniProt Accession #	P31785; Q5FC12
Molecular Weight	369
NCBI Official Full Name	Cytokine receptor common subunit gamma
NCBI Official Synonym Full Names	interleukin 2 receptor, gamma
NCBI Official Symbol	IL2RG
NCBI Official Synonym Symbols	P64; CIDX; IMD4; CD132; SCIDX; IL-2RG; SCIDX1
NCBI Protein Information	cytokine receptor common subunit gamma; gammaC; CD132 antigen; IL-2R subunit gamma; IL-2 receptor subunit gamma; common cytokine receptor gamma chain
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/mammalian-cell-active-protein/cytokine-receptor-common-subunit-gamma-il2rg/279362