

Interleukin-4 receptor subunit alpha (IL4R) Active Protein | IL4R active protein

Recombinant Human Interleukin-4 receptor subunit alpha (IL4R), partial, Biotinylated (Active)

CATALOG #
AAA279215

HOST
Mammalian Cell

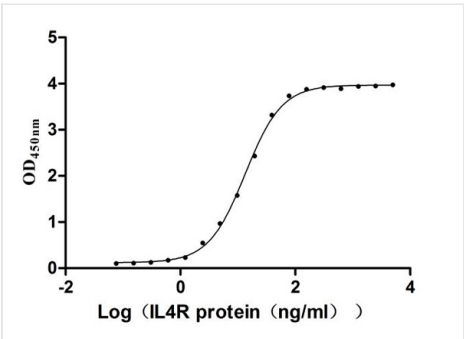
PRODUCT SYNONYMS

Interleukin-4 receptor subunit alpha (IL4R); Recombinant Human Interleukin-4 receptor subunit alpha (IL4R); partial; Biotinylated (Active); IL4RA; 582J2.1; IL4R active protein

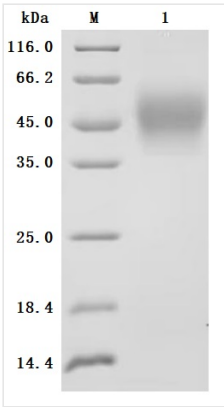
PRODUCT SPECIFICATIONS

Host	Mammalian Cell
Purity/Purification	Greater than 95% as determined by SDS-PAGE.
Form/Format	Lyophilized powder Lyophilized from a 0.2 um filtered PBS, 6% Trehalose, pH 7.4
Sequence Positions	26-232aa; Partial
Sequence	MKVLQEPTCV SDYMSISTCE WKMNGPTNCS TELRLLYQLV FLLSEAHTCI PENNGGAGCV CHLLMDDVVS ADNYTLDLWA GQQLLWKGsf KPSEHVkpRA PGNLTVHTNV SDTLLLTWSN PYPPDNYLYN HLTYAVNIWS ENDPADFRIY NVTYLEPSLR IAASTLKSGI SYRARVRAWA QCYNNTTWSEW SPSTKWHNSY REPFEQH\$
Species	Homo sapiens (Human)
Tag	C-terminal 10xHis-Avi-tagged
Endotoxin	Less than 1.0 EU/ug as determined by LAL method.
Research Area	Cancer
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human IL4 at 2 ug/mL can bind biotinylated Human IL4R. The EC50 is 12.68-14.23 ng/mL.
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. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week. 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.

IMAGES



Bioactivity
Measured by its binding ability in a functional ELISA. Immobilized Human IL4 at 2?g/mL can bind biotinylated Human IL4R, the EC50 is 12.68-14.23 ng/mL.



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

ADDITIONAL INFORMATION

Related Product Information for IL4R active protein	May couple to the JAK1/2/3-STAT6 pathway and promote Th2 differentiation.In certain cell types, can signal through activation of insulin receptor substrates, IRS1/IRS2.
Product Categories/Family for IL4R active protein	Active Protein & In Stock Protein
References	"Human interleukin 4 receptor confers biological responsiveness and defines a novel receptor superfamily."Idzerda R.L., March C.J., Mosley B., Lyman S.D., Bos T.V., GimpeI S.D., Din W.S., Grabstein K.H., Widmer M.B., Beckmann M.P.J. Exp. Med. 171:861-873 (1990)"Genome duplications and other features in 12 Mb of DNA sequence from human chromosome 16p and 16q."Loftus B.J., Kim U.-J., Sneddon V.P., Kalush F., Brandon R., Fuhrmann J., Mason T., Crosby M.L., Barnstead M., Adams M.D.Genomics 60:295-308 (1999)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557669
NCBI GeneID	3566
NCBI Accession #	NP_000409.1
NCBI GenBank Nucleotide #	NM_000418.3
UniProt Accession #	P24394; Q96P01; Q9H181; Q9H182; Q9H183; Q9H184; Q9H185; Q9H186; Q9H187; Q9H188; B9EKU8; H3BSY5
Molecular Weight	89,658 Da
NCBI Official Full Name	interleukin-4 receptor subunit alpha isoform a
NCBI Official Synonym Full Names	interleukin 4 receptor
NCBI Official Symbol	IL4R
NCBI Official Synonym Symbols	CD124; IL4RA; IL-4RA
NCBI Protein Information	interleukin-4 receptor subunit alpha; IL4R nirs variant 1; IL-4 receptor subunit alpha; interleukin-4 receptor alpha chain
UniProt Protein Name	Interleukin-4 receptor subunit alpha
UniProt Gene Name	IL4R
UniProt Synonym Gene Names	IL4RA; IL-4 receptor subunit alpha; IL-4R subunit alpha; IL-4R-alpha; IL-4RA; Soluble IL-4 receptor subunit alpha; Soluble IL-4R-alpha; sIL4Ralpha/prot; IL4-BP

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://www.aaabiotech.com/mammalian-active-protein/interleukin-4-receptor-subunit-alpha-il4r/279215>