

Interleukin-12 receptor subunit beta-1 (IL12RB1) Active Protein | IL12RB1 active protein

Recombinant Human Interleukin-12 receptor subunit beta-1(IL12RB1), partial (Active)

CATALOG #
AAA279361

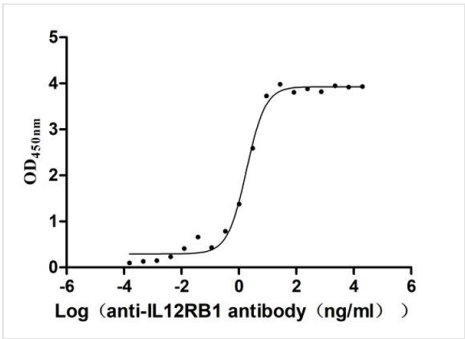
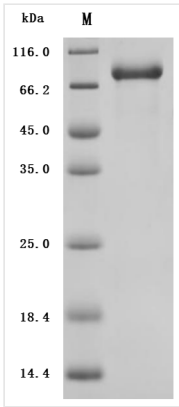
HOST
Mammalian Cell

PRODUCT SYNONYMS

Interleukin-12 receptor subunit beta-1 (IL12RB1); Recombinant Human Interleukin-12 receptor subunit beta-1(IL12RB1); partial (Active); IL12R; IL12RB; IL12RB1 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	CRTSECCFQD PPYPDADSGS ASGPRDLRCY RISSDRYECs WQYEGPTAGV SHFLRCCLSS GRCCYFAAGS ATRLQFSDQA GVSPLYTVTL WVESWARNQT EKSPEVTLQL YNSVKYEPPL GDIKVSCLAG QLRMEWETPD NQVGAEVQFR HRTSPSPWKL GDCGPQDDDT ESCLCPLEMN VAQEFQLRRR QLGSQGSSWS KWSSPVCVPP ENPPQPQVRF SVEQLGQDGR RRLTLKEQPT QLELPEGCQG LAPGTEVTYR LQLHMLSCPC KAKATRTLHL GKMPYLSGAA YNVAVISSNQ FGPGLNQTWH IPADTHTEPV ALNISVGTVNG TTMYPARAQ SMTYCIIEWQP VGQDGGGLATC SLTAPQDPDP AGMATYSWSR ESGAMGQEK YITIFASAH PEKLTWSTV LSTYHFGGNA SAAGTPHHVS VKNHSLDSVS VDWAPSLST CPGVLKEYV RCRDEDSKQV SEHPVQPTET QVTLGSLRAG VAYTVQVRAD TAWLRGVWSQ PQRFSIE
Sequence Length	24-540aa; 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 IL12RB1 at 2ug/mL can bind Anti-IL12RB1 recombinant antibody . The EC50 is 1.578-2.143ng/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.



Activity

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

ADDITIONAL INFORMATION

Related Product Information for IL12RB1 active protein	Functions as an interleukin receptor which binds interleukin-12 with low affinity and is involved in IL12 transduction. Associated with IL12RB2 it forms a functional, high affinity receptor for IL12. Associates also with IL23R to form the interleukin-23 receptor which functions in IL23 signal transduction probably through activation of the Jak-Stat signaling cascade.
Product Categories/Family for IL12RB1 active protein	Immunology
References	Expression cloning of a human IL-12 receptor component. A new member of the cytokine receptor superfamily with strong homology to gp130. Chua A.O., Chizzonite R., Desai B.B., Truitt T.P., Nunes P., Minetti L.J., Warrier R.R., Presky D.H., Levine J.F., Gubler U.J. Immunol. 153:128-136 (1994)

NCBI AND UNIPROT INFORMATION

NCBI GI #	586946416
NCBI GeneID	3594
NCBI Accession #	NP_001276952.1
NCBI GenBank Nucleotide #	NM_001290023.1
UniProt Accession #	P42701; Q8N6Q7; A8K308; B2RPF1; B7ZKK3
Molecular Weight	42,366 Da
NCBI Official Full Name	interleukin-12 receptor subunit beta-1 isoform 3
NCBI Official Synonym Full Names	interleukin 12 receptor subunit beta 1
NCBI Official Symbol	IL12RB1
NCBI Official Synonym Symbols	CD212; IMD30; IL12RB; IL-12R-BETA1
NCBI Protein Information	interleukin-12 receptor subunit beta-1
UniProt Protein Name	Interleukin-12 receptor subunit beta-1
UniProt Gene Name	IL12RB1
UniProt Synonym Gene Names	IL12R; IL12RB; IL-12 receptor subunit beta-1; IL-12R subunit beta-1; IL-12R-beta-1; IL-12RB1
UniProt Entry Name	I12R1_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/interleukin-12-receptor-subunit-beta-1-il12rb1/279361>