

Cytokine receptor common subunit beta (CSF2RB) Active Protein | CSF2RB active protein

Recombinant Human Cytokine receptor common subunit beta (CSF2RB), partial (Active)

CATALOG #
AAA279206

HOST
Mammalian cell

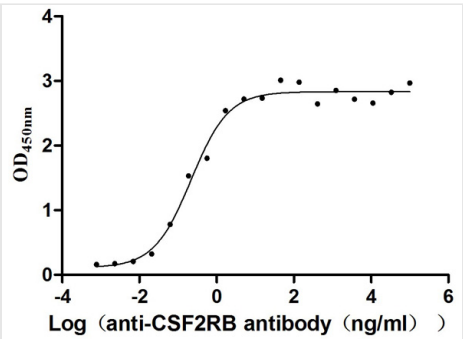
PRODUCT SYNONYMS

Cytokine receptor common subunit beta (CSF2RB); Recombinant Human Cytokine receptor common subunit beta (CSF2RB); partial (Active); CDw131; GM-CSF/IL-3/IL-5 receptor common beta subunit; CD antigen CD131; CSF2RB active protein

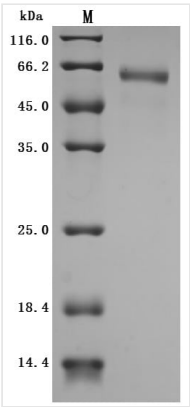
PRODUCT SPECIFICATIONS

Host	Mammalian cell
Purity/Purification	Greater than 95% as determined by SDS-PAGE.
Form/Format	Lyophilized powder Lyophilized from a 0.2 um filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0
Sequence Positions	17-443aa; Partial
Sequence	WERSLAGAEE TIPLQTLRCY NDYTSHITCR WADTQDAQRL VNVTLIRRVN EDLLEPVSCD LSDDMPWSAC PHPRCVPRRC VIPCQSFVVT DVDYFSFQPD RPLGTRLTVT LTQHVQPPEP RDLQISTDQD HFLTWSVAL GSPQSHWLSP GDLEFEVVYK RLQDSWEDAA ILLSNTSQAT LGPEHLMPSY TYVARVTRL APGSRLSGRP SKWSPEVCWD SQPGDEAQPQ NLECFDGA VLSCSWEVRK EVASSVSFGL FYKPSPDAGE EECSPVLREG LGSLHTRHHC QIPVPDPATH GQYIVSVQPR RAEKHIKSSV NIQMAPPSLN VTKDGDSYSL RWETMKMRYE HIDHTEIQY RKDTATWKDS KTETLQNAHS MALPALEPST RYWARVRVRT SRTGYNGIWS EWSEARSWDT ESVLPMW\$
Species	Homo sapiens (Human)
Tag	C-terminal 6xHis-tagged
Endotoxin	Less than 1.0 EU/ug as determined by LAL method.
Research Area	Immunology
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized CSF2RB at 2 ug/mL can bind anti-CSF2RB antibody, the EC50 is 0.1594-0.3046 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 CSF2RB at 2 ?g/ml can bind anti-CSF2RB antibody, the EC50 is 0.1594-0.3046 ng/mL.



SDS-PAGE
Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel. Predicted band size: 38.2 kDa Observed band size: (a) 68 kDa before EndoH Digestion (b) 38 kDa after EndoH Digestion

ADDITIONAL INFORMATION

Related Product Information for CSF2RB active protein	High affinity receptor for interleukin-3, interleukin-5 and granulocyte-macrophage colony-stimulating factor.
Product Categories/Family for CSF2RB active protein	Active Protein & In Stock Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	4559408
NCBI GeneID	1439
NCBI Accession #	NP_000386.1
NCBI GenBank Nucleotide #	NM_000395.2
UniProt Accession #	P32927; Q5JZ11; Q6ICE0
Molecular Weight	97,336 Da
NCBI Official Full Name	cytokine receptor common subunit beta
NCBI Official Synonym Full Names	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)
NCBI Official Symbol	CSF2RB
NCBI Official Synonym Symbols	CD131; IL3RB; IL5RB; SMDP5; CDw131
NCBI Protein Information	cytokine receptor common subunit beta; GM-CSF/IL-3/IL-5 receptor common beta-chain; GM-CSF/IL-3/IL-5 receptor common beta subunit; colony-stimulating factor-2 receptor, beta, low-affinity; interleukin 3 receptor/granulocyte-macrophage colony stimulating f
UniProt Protein Name	Cytokine receptor common subunit beta
UniProt Gene Name	CSF2RB
UniProt Synonym Gene Names	IL3RB; IL5RB
UniProt Entry Name	IL3RB_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.

