

Complement Receptor 2 (CR2) Recombinant Protein | CR2 recombinant protein

Recombinant Complement Receptor 2 (CR2)

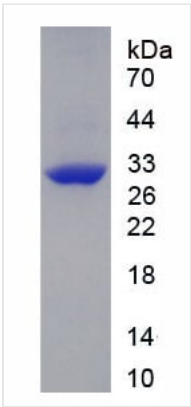
CATALOG # AAA135511	HOST E.coli	REACTIVITY Mus musculus (Mouse)	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Complement Receptor 2 (CR2); Recombinant Complement Receptor 2 (CR2); CR2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Mus musculus (Mouse)
Purity/Purification	> 97%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.
Concentration	Original Concentration: 150ug/mL (varies by lot)
Sequence	CKPVGPHLFK RPQNFIRTA VNSSCDEGFQ LSESAYQLCQ GTIPWFIEIR LCKEITCPPP PVIHNGTHTW SSSEDVPYGT VVTYMCYPGP EEGVKFKLIG EQTIHCTSDS RGRGSWSSPA PLCKLSLPAV QCTDVHVENG VKLTDNKAPY FYNDSVMFKC DDGYILSGSS QIRCKANNTW DPEKPLCKKE GCEPMRVHGL PDD
Applicable Applications for CR2 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Cys463~Asp665
Tags	N-terminal His Tag
Subcellular Location	Membrane
Traits	Freeze-dried powder
Predicted isoelectric point	6.7
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affect the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8° for one month. Aliquot and store at -80°C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.



SDS-PAGE
Figure. SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	117316
NCBI GeneID	12902
UniProt Accession #	P19070
Molecular Weight	Predicted Molecular Mass: 26.4kDa Accurate Molecular Mass: 31kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	Complement receptor type 2
NCBI Official Synonym Full Names	complement receptor 2
NCBI Official Symbol	Cr2
NCBI Official Synonym Symbols	Cr1; C3DR; CD21; CD35; Cr-1; Cr-2
NCBI Protein Information	complement receptor type 2; complement C3d receptor; complement receptor type 1; expressed in B lymphocytes
UniProt Protein Name	Complement receptor type 2
UniProt Gene Name	Cr2
UniProt Synonym Gene Names	Cr2
UniProt Entry Name	CR2_MOUSE

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/cr2-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/135511>