

Complement Receptor 1, Erythrocyte (CR1) Recombinant Protein | CR1 recombinant protein

Recombinant Complement Receptor 1, Erythrocyte (CR1)

CATALOG # AAA134464	HOST E Coli	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
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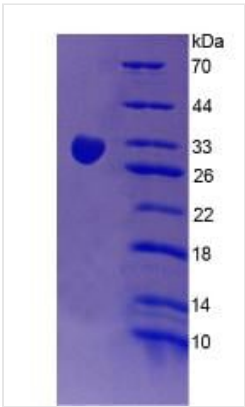
PRODUCT SYNONYMS

Complement Receptor 1; Erythrocyte (CR1); Recombinant Complement Receptor 1; CR1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95%
Form/Format	Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Sequence	The target protein is fused with N-terminal His -Tag, its sequence is listed below. MGHHHH HHSGSEF-IL NGRHTGTPFG DIPYGKEISY ACDTHPDRGM TFNLIGESSI RCTSDPQGNG VWSSPAPRCE LSVPAACPHP PKIQNGHYIG GHVSLYLPGM TISYICDPGY LLVGKGFIFC TDQGIWSQLD HYCKEVNCSF PLFMNGISKE LEMKKVYHYG DYVTLKCEDG YTLEGSPWSQ CQADDRWDPP LAKCTSRTHD ALIVGTLSGT IFFILLIIFL SWILKHRKG NNAHENPKEV AIHLHSQGGG SVHPRTLQTN EENSRLVP
Sequence Length	2039
Applicable Applications for CR1 recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Organism	Homo sapiens (Human)
Expression System	Prokaryotic expression
Residues	Ile1780~Pro2039 (Accession # P17927) with N-terminal His-Tag
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Preparation and Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

IMAGES



Sequence

I LNRHTGTPF GDIPYGKEIS
YACDTHPDRG MTFNLIGESS IRCTSDPQGN GVWSSPAPRC ELSVPAACPH
PPKIQNQHYI GGHVSLYLPG MTISYICDPG YLLVGKGFIF CTDOGIWSQL
DHYCKEVNCS FPLFMNGISK ELEMKKVYHY GDVYTLKCED GYTLEGSPWS
QCQADDRNDP PLAKCTSRTH DALIVGTLSG TIFFILLIIF LSWIILKHRK
GNNAHENPKE VAIHLHSQGG SSVHPRTLQT NEENSRLVP

SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	86793036
NCBI GeneID	1378
NCBI Accession #	NP_000564.2
NCBI GenBank Nucleotide #	NM_000573.3
UniProt Accession #	P17927; Q16744; Q16745; Q5SR43; Q5SR45; Q9UQV2
Molecular Weight	30.4kDa
NCBI Official Full Name	complement receptor type 1 isoform F
NCBI Official Synonym Full Names	complement component (3b/4b) receptor 1 (Knops blood group)
NCBI Official Symbol	CR1
NCBI Official Synonym Symbols	KN; C3BR; C4BR; CD35
NCBI Protein Information	complement receptor type 1; CD35 antigen; C3b/C4b receptor; C3-binding protein; Knops blood group antigen
UniProt Protein Name	Complement receptor type 1
UniProt Gene Name	CR1
UniProt Synonym Gene Names	C3BR
UniProt Entry Name	CR1_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.