

## Active Recombinant Human CR1 protein, His-tagged

Cat. No. CR1-506H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CR1(Gln42-Asp1971) fused with a C-terminal 10-His tag and a substitution of His1208Arg was expressed in NS0.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>ProteinLength</b>	42-1971 a.a.
<b>Predicted N Terminal</b>	Gln42 predicted
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution in PBS.
<b>Bio-activity</b>	Measured by its binding ability in a functional ELISA. When rhCD35 is coated at 5 µg/mL, complement component C3b binds with an apparent KD <10 nM.
<b>Molecular Mass</b>	Predicted Molecular Mass: 213 kDa;SDS-PAGE: 200-220 kDa, reducing conditions.
<b>Endotoxin</b>	<0.10 EU per 1 µg of the protein by the LAL method
<b>Purity</b>	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain
<b>Storage</b>	Avoid repeated freeze-thaw cycles.12 months from date of receipt, -20 to -70 centigrade as supplied.1 month, 2 to 8 centigrade under sterile conditions after reconstitution.3 months, -20 to -70 centigrade under sterile conditions after

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reconstitution.

**Reconstitution** Reconstitute at 400 µg/mL in PBS.

## GENE INFORMATION

**Gene Name** CR1 complement component (3b/4b) receptor 1 (Knops blood group) [ Homo sapiens ]

**Official Symbol** CR1

**Synonyms** CR1; complement component (3b/4b) receptor 1 (Knops blood group); complement component (3b/4b) receptor 1, including Knops blood group system; complement receptor type 1; CD35; KN; CD35 antigen; C3b/C4b receptor; C3-binding protein; Knops blood group antigen; complement component receptor 1; C3BR; C4BR;

**Gene ID** 1378

**mRNA Refseq** NM\_000573

**Protein Refseq** NP\_000564

**MIM** 120620

**UniProt ID** P17927

**Chromosome Location** 1q32

**Pathway** Complement and Coagulation Cascades, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and

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coagulation cascades, conserved biosystem; Complement cascade, organism-specific biosystem; Hematopoietic cell lineage, organism-specific biosystem; Hematopoietic cell lineage, conserved biosystem; Immune System, organism-specific biosystem;

**Function**

complement component C3b binding; complement component C3b receptor activity; complement component C4b binding; complement component C4b receptor activity; receptor activity;

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