

Active Recombinant Human CR1 protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human CR1(Gln42-Asp1971) fused with a C-terminal 10-His tag and a substitution of His1208Arg was expressed in NS0.
Species	Human
Source	Mammalian Cells
ProteinLength	42-1971 a.a.
Predicted N Terminal	Gln42 predicted
Form	Lyophilized from a 0.2 µm filtered solution in PBS.
Bio-activity	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.
Molecular Mass	Predicted Molecular Mass: 213 kDa;SDS-PAGE: 200-220 kDa, reducing conditions.
Endotoxin	<0.10 EU per 1 µg of the protein by the LAL method
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain
Storage	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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