

Recombinant Human CD55 Protein, His-tagged

Cat. No. CD55-164H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human CD55 protein with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	381
Description	This gene encodes a glycoprotein involved in the regulation of the complement cascade. Binding of the encoded protein to complement proteins accelerates their decay, thereby disrupting the cascade and preventing damage to host cells. Antigens present on this protein constitute the Cromer blood group system (CROM). Alternative splicing results in multiple transcript variants. The predominant transcript variant encodes a membrane-bound protein, but alternatively spliced transcripts may produce soluble proteins.
Form	Lyophilized
Molecular Mass	35.8 kDa
AA Sequence	MTVARPSVPAALPLLGELPRLLLLVLCLPAVWDCGLPPDVPNAQPALEGRTSFPE DTVITYKCEESFVKIPGEKDSVICLKGSQWSDIEEFCNRSCEVPTRLNSASLKQPYIT QNYFPVGTVEYECRPGYRREPSLSPKLTCLQNLKWSTAVEFCKKKSCPNPGEIRN GQIDVPGGILFGATISFSCNTGYKLFGSTSSFCLISGSSVQWSDPLPECREIYCPAPP QIDNGIIQGERDHYGYRQSVTYACNKGFTMIGEHSIYCTVNNDEGEWSGPPPECRG

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

KSLTSKVPPTVQKPTTVNVPPTTEVSPTSQKTTTKTTTPNAQATRSTPVSRTTKHFHE
TTPNKGSGTTS GTTRLLSGHTCFTLTGLLGLVTMGLLT

Purity

> 98%

Applications

WB; ELISA; FACS; FC

Stability

This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

Storage

At -20 centigrade.

Concentration

1 mg/mL

Storage Buffer

PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

Reconstitution

Reconstitute in sterile distilled H₂O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name

CD55 CD55 molecule, decay accelerating factor for complement (Cromer blood group) [Homo sapiens (human)]

Official Symbol

CD55

Synonyms

CD55; CD55 molecule, decay accelerating factor for complement (Cromer blood group); DAF, decay accelerating factor for complement (CD55, Cromer blood group)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



system); complement decay-accelerating factor; CR; CROM; TC; CD55 antigen; DAF;

Gene ID 1604

mRNA Refseq NM_000574

Protein Refseq NP_000565

MIM 125240

UniProt ID P08174

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA