

Recombinant Human CD55 Protein (35-353aa), C-His-tagged

Cat. No. CD55-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CD55 (35-353aa), fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Human
Source	Insect Cells
ProteinLength	35-353
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	Liquid
Molecular Mass	36 kDa (328aa)
AA Sequence	ADPDCGLPPDVPNAQPALEGRTSFPEDTVITYKCEESFVKIPGEKDSVICLKGSQWS DIEEFCNRSCEVPTRLNSASLKQPYITQNYFPVGTVEYECRPGYRREPSLSPKLTC LQNLKWSTAVEFCKKKSCPNPGEIRNGQIDVPGGILFGATISFSCNTGYKLFGSTSSF

 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

CLISGSSVQWSDPLPECREIYCPAPPQIDNGIIQGERDHYGYRQSVTYACNKGFTMI
 GEHSIYCTVNNDEGEWSGPPPECRGKSLTSKVPPTVQKPTTVNVPPTTEVSPTSQKT
 TTKTTTPNAQATRSTPVSRTTKHFHETTPNKGSGTTSHHHHHH

Endotoxin < 1 EU/μg of protein (determined by LAL method)

Purity > 95% by SDS-PAGE

Applications SDS-PAGE

Storage Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/mL (determined by BCA assay)

Storage Buffer Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

GENE INFORMATION

Gene Name CD55 CD55 molecule (Cromer blood group) [Homo sapiens (human)]

Official Symbol CD55

Synonyms CD55; CD55 molecule (Cromer blood group); CR; TC; DAF; CROM; CHAPLE; complement decay-accelerating factor; CD55 antigen; CD55 molecule, decay accelerating factor for complement (Cromer blood group); Cromer blood group antigen; Rh blood group D antigen

Gene ID 1604

mRNA Refseq NM_000574

 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

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