

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	MTVARPSVPAALPLLGLPRLLLLVLLCLPAVWGDCGLPPDVPNAQPALEGRTSFPE DTVITYKCEESFVKIPGEKDSVICLKGSQWSDIEEFCNRSCEVPTRLNSASLKQPYIT QNYFPVGTVEYECRPGYRREPSLSPKLTCLQNLKWSTAVEFCKKKSCPNPGEIRN GQIDVPGGILFGATISFSCNTGYKLFGSTSSFCLISGSSVQWSDPLPECREIYCPAPP QIDNGIIQGERDHYGYRQSVTYACNKGFTMIGEHSIYCTVNNDEGEWSGPPPECRG

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	KSLTSKVPPTVQKPTTVNVPTEVSPTSQKTTTKTTTPNAQATRSTPVSRTTKHFHE 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)

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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

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