



Recombinant Guinea pig Complement decay-accelerating factor (CD55)

Product Code	CSB-EP736710GU
Abbreviation	CD55
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q60401
Product Type	Recombinant Protein
Immunogen Species	Cavia porcellus (Guinea pig)
Purity	>85% (SDS-PAGE)
Sequence	DCGPLPVVP RAHPASASAG STSFPEENTTV LYTCDDQGFVK IPGKPDVAVC ISSRWTDIEE FCNRSCEVPP RLPYAILKSA YISKNYFPVD TVVEYECRPG YRKKYPIQSG KITCRDDLTW STPAEFCEKK QCPNPGELVN GNINVTDDL LGSQIFFSCD PGYRLTGEAS AFCMIKGNVW GWSSSLPTCI KIICPEPPQI ENGRIVNEED TYEYRHVVY ECNKGFLVLTG KSHISCIVRD DVGWSDPPP TCRVKSPPI PPQKPTTSA PGTTTTLPTQ KPTTVNTAGP EVPTTQRSTT VNVPGTKVPT TQRSTTVNVP GTEVPTTWKS TTVNVAAGN RPDTRTTIKS TTASEEKDLA SGYRTFLYGV GVGVPVIVCS LGLGVYWWIH RTSGQYETYE NKESNVICHN LNESDATSEI TSSDKLKKTH VYKVDSFACG ASNHWLADIA KEDLRRDFSN AQNISSLLQV LGAAQTQ
Source	E.coli
Target Names	CD55
Protein Names	Recommended name: Complement decay-accelerating factor Alternative name(s): CD_antigen= CD55
Expression Region	32-507
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This gene encodes a protein involved in the regulation of the complement cascade. The encoded glycoprotein is also known as the decay-accelerating factor (DAF); binding of DAF to complement proteins accelerates their decay, disrupting the cascade and preventing damage to host cells. Antigens present on the DAF glycoprotein constitute the Cromer blood group system (CROM). Two alternatively spliced transcripts encoding different proteins have been identified. The predominant transcript encodes a membrane-bound protein expressed on cells exposed to plasma component proteins but an alternatively



spliced transcript produces a soluble protein present at much lower levels. Additional, alternatively spliced transcript variants have been described, but their biological validity has not been determined.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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