ABclonal® Technology

Recombinant Human CD55/DAF Protein

Catalog No.: RP00332   **Recombinant**

Sequence Information

Species	**Gene ID**	**Swiss Prot**
Human	1604	P08174

Tags
C-6×His

Synonyms
CD55;CR;CROM;DAF;TC; CROM; DAF; TC

Product Information

Source	**Purification**
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin
< 1 EU/µg of the protein by LAL method.

Formulation
Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.Contact us for customized product form or formulation.

Reconstitution
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

This protein belongs 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.

Basic Information

Description
Recombinant Human CD55/DAF Protein is produced by Human Cell expression system. The target protein is expressed with sequence (Asp35-Ser353) of human CD55/DAF (Accession #P08174) fused with a 6×His tag at the C-terminus.

Bio-Activity
Measured by its binding ability in a functional ELISA. When Recombinant Human CD55/DAF is coated at 1 µg/mL (100 µL/well), the concentration of rhCD97 that produces 50% of the optimal binding response is found to be approximately 0.5-2.5 µg/mL.
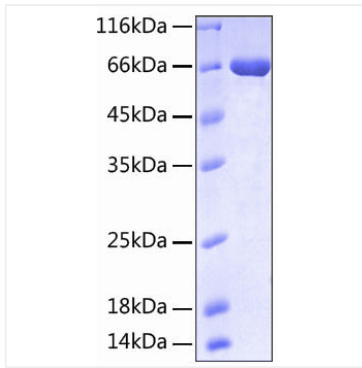
Storage
Store the lyophilized protein at -20℃ to -80 ℃ for long term.
After reconstitution, the protein solution is stable at -20 ℃ for 3 months, at 2-8 ℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

Contact

🌐 | www.abclonal.com

Validation Data

Recombinant protein Human CD55/DAF was determined by SDS-PAGE under reducing conditions with Coomassie Blue, showing a band at 63 kDa.