

Active Recombinant Human CD55 protein, hFc-tagged

Cat. No. CD55-64H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human CD55 protein(NP_000565.1) (Met 1-Ser 353) was expressed in Human Cells with the C-terminal fused Fc region of human IgG1.
Species	Human
Source	Human Cells
ProteinLength	1-353 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized recombinant human CD97 at 10 µg/ml (100 µl/well) can bind recombinant human CD55 at a linear range of 0.46-30 µg/ml.
Molecular Mass	The recombinant human CD55/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 557 amino acids and has a predicted molecular mass of 61.7 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhCD55/Fc monomer is approximately 95-105 kDa due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to

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

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aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION
Gene Name

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

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 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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