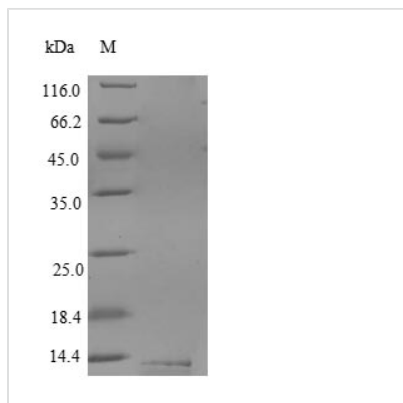




# Recombinant Human CD59 glycoprotein (CD59)

<b>Product Code</b>	CSB-YP004947HU
<b>Relevance</b>	Potent inhibitor of the complement membrane attack complex (MAC) action. Acts by binding to the C8 and/or C9 components of the assembling MAC, thereby preventing incorporation of the multiple copies of C9 required for complete formation of the osmolytic pore. This inhibitor appears to be species-specific. Involved in signal transduction for T-cell activation complexed to a protein tyrosine kinase. The soluble form from urine retains its specific complement binding activity, but exhibits greatly reduced ability to inhibit MAC assembly on cell membranes.
<b>Abbreviation</b>	Recombinant Human CD59 protein
<b>Storage</b>	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.
<b>Uniprot No.</b>	P13987
<b>Alias</b>	1F5 antigen 20 kDa homologous restriction factor ;HRF-20 ;HRF20MAC-inhibitory protein ;MAC-IPMEM43 antigen;Membrane attack complex inhibition factor ;MACIFMembrane inhibitor of reactive lysis ;MIRLProtectin; CD59
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	LQCYNCPNPTADCKTAVNCSSDFDAKLITKAGLQVYNKCKWKFHCFNFDVTT RLRENELTYCCKKDLNCFNEQLN
<b>Research Area</b>	Cardiovascular
<b>Source</b>	Yeast
<b>Target Names</b>	CD59
<b>Protein Names</b>	Recommended name: CD59 glycoprotein Alternative name(s): 1F5 antigen 20 kDa homologous restriction factor Short name= HRF-20 Short name= HRF20 MAC-inhibitory protein Short name= MAC-IP MEM43 antigen Membrane at
<b>Expression Region</b>	26-102aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	11.0kDa
<b>Protein Length</b>	Full Length of Mature Protein
<b>Image</b>	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

### 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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