



Recombinant Sheep CD59 glycoprotein (CD59)

Product Code	CSB-EP004947SH
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P58020
Product Type	Recombinant Protein
Immunogen Species	Ovis aries (Sheep)
Purity	≥85% (SDS-PAGE)
Sequence	LQCYSCINQV DCTSVINCTX NQDACLY
Source	E.coli
Target Names	CD59
Protein Names	Recommended name: CD59 glycoprotein Alternative name(s): Complement inhibitory protein Short name= CIP MAC-inhibitory protein Short name= MAC-IP Membrane attack complex inhibition factor Short name= MACIF Protectin
Expression Region	1-27
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 protein
Target Details	<p>This gene encodes a cell surface glycoprotein that regulates complement-mediated cell lysis, and it is involved in lymphocyte signal transduction. This protein is a potent inhibitor of the complement membrane attack complex, whereby it binds complement C8 and/or C9 during the assembly of this complex, thereby inhibiting the incorporation of multiple copies of C9 into the complex, which is necessary for osmolytic pore formation. This protein also plays a role in signal transduction pathways in the activation of T cells. Mutations in this gene cause CD59 deficiency, a disease resulting in hemolytic anemia and thrombosis, and which causes cerebral infarction. Multiple alternatively spliced transcript variants, which encode the same protein, have been identified for this gene.</p>
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	<p>The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.</p> <p>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.</p>