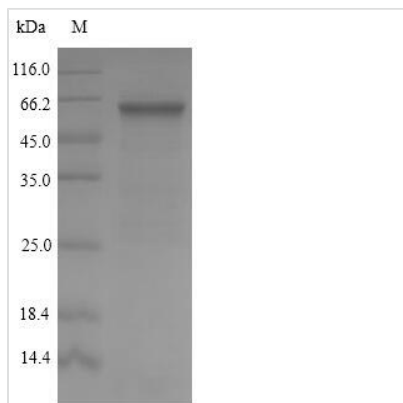




Recombinant Streptococcus pyogenes serotype M5 M protein, serotype 5 (emm5)

Product Code	CSB-EP355917SMY
Relevance	This protein is one of the different antigenic serotypes of protein M. Protein M is closely associated with virulence of the bacterium and can render the organism resistant to phagocytosis.
Abbreviation	Recombinant Streptococcus pyogenes serotype M5 emm5 protein
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.	P02977
Product Type	Recombinant Protein
Immunogen Species	Streptococcus pyogenes serotype M5
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	AVTRGTINDPQRAKEALDKYELENHDLKTKNEGLKTENEGLKTENEGLKTENE GLKTEKKEHEAENDKLKQQRDTLSTQKETLRELVQNTQYNNETLKIKNGDLTK ELNKTRQELANKQQESKENEKALNELLEKTVKDKIAKEQENKETIGTLKKILDET VKDKIAKEQENKETIGTLKKILDET VKDKLAKEQKSKQNIGALKQELAKKDEANK ISDASRKGLRRDLASREAKKQLEAEHQKLEEQNKISEASRKGLRRDLASRE AKKQLEAEQQKLEEQNKISEASRKGLRRDLASREAKKQVEKALEEANSKLAA LEKLNKELEESKKLTEKEKAELQAKLEAEAKALKEQLAKQAEELAKLRAGKASD SQTPDTKPGNKAVPGKGQAPQAGTKPNQNKAPMKETKRQLPST
Research Area	Others
Source	E.coli
Target Names	emm5
Protein Names	Recommended name: M protein, serotype 5
Expression Region	43-461aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	52.5kDa
Protein Length	Full Length of Mature Protein
Image	



(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

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.