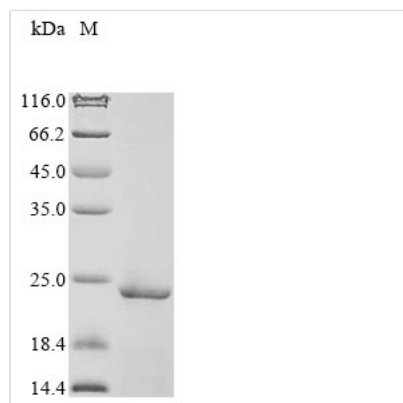




Recombinant Human Parathymosin (PTMS)

Product Code	CSB-EP019008HU
Abbreviation	Recombinant Human PTMS 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.	P20962
Form	Liquid or Lyophilized powder
Storage Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	SEKSVEAAAELSAKDLKEKKEKVEEKASRKERKKEVVEEEEENGAEETAE DGEEDEGEDEDEDEDEDEDEDEGPALKRAAEEDEADPKRQKTENGASA
Research Area	Epigenetics and Nuclear Signaling
Source	E.coli
Target Names	PTMS
Expression Region	2-102aa
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	18.8 kDa
Protein Length	Full Length of Mature Protein

Image



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



Description

Amino acids 2-102 form the expressed segment for recombinant Human PTMS. The theoretical molecular weight of the PTMS protein is 18.8 kDa. The PTMS protein was expressed in e.coli. The PTMS gene fragment has been modified by fusing the N-terminal 10xHis tag and C-terminal Myc tag, providing convenience in detecting and purifying the recombinant PTMS protein during the following stages.

Parathymosin (PTMS) is involved in cellular processes related to the immune system and cellular stress responses. It belongs to the thymosin beta family and is expressed in various tissues, with higher levels found in the thymus and immune-related cells. PTMS plays a role in the regulation of immune function, as it has been shown to interact with proteins involved in the immune response. Additionally, PTMS may have functions related to cellular stress.

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.