

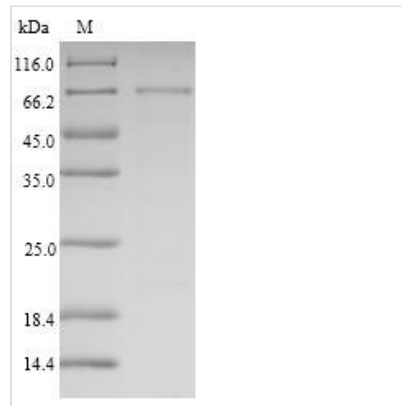


Recombinant Human Semenogelin-1 (SEMG1)

Product Code	CSB-EP021001HU
Relevance	Predominant protein in semen. It participates in the formation of a gel matrix entrapping the accessory gland secretions and ejaculated spermatozoa. Fragments of semenogelin and/or fragments of the related proteins may contribute to the activation of progressive sperm movements as the gel-forming proteins are fragmented by KLK3/PSA.
Abbreviation	Recombinant Human SEMG1 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.	P04279
Alias	Cancer/testis antigen 103 Semenogelin I Short name: SGI Cleaved into the following 3 chains: Alpha-inhibin-92 Alpha-inhibin-31 Seminal basic protein
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	QKGGSKGRLPSEFSQFPHGQKGGQHYSGQKQKQQTESKGSFSIQYTYHVDAN DHDQSRKSQQYDLNALHKTTKSQRHLGGSQQLLHNKQEGRDHDKSKGHFHR VVIHHKGGKAHRGTQNPQDQGNPSGKGISSQYSNTEERLWVHGLSKEQT SVSGAQKGRKQGGSSSYVLQTEELVANKQQRETKNSHQKNGHYQNVVEV REEHSSKVQTSLCPAHQDKLQHGSKDIFSTQDELLVYNKNQHQTKNLNQDQQ HGRKANKISYQSSSTEERLHYGENGVQKDVSRSIYSQTEKLVAGKSQIQAP NPKQEPWHGENAKGESGQSTNREQDLLSHEQKGRHQHGSHGGLDIVIIEQED DSDRHLAQLNNDRNPLFT
Research Area	Cell Biology
Source	E.coli
Target Names	SEMG1
Protein Names	Recommended name: Semenogelin-1 Alternative name(s): Semenogelin I Short name= SGI Cleaved into the following 3 chains: 1. Alpha-inhibin-92 2. Alpha-inhibin-31 3. Seminal basic protein
Expression Region	24-402aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	58.8kDa
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.