



# Recombinant Human Semenogelin-1 (SEMG1)

<b>Product Code</b>	CSB-MP021001HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P04279
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>QKGGSKGRLPSEFSQFPHGQKQGQHYSGQKQKQQTESKGSFSIQYTYHVDAN  DHDQSRKSQQYDLNALHKTTKSQRHLGGSQQLLNKQEGRDHDKSKGHFHR  VVIHHKGGKAHRGTQNPSSQDQGNPSGKGISSQYSNTEERLWVHGLSKEQT  SVSGAQKGRKQGGSSSYVLQTEELVANKQQRETKNSHQKNGHYQNVVEV  REEHSSKVQTSCLPAHQDKLQHGSKDIFSTQDELLVYNKNQHQTKNLNQDQQ  HGRKANKISYQSSSTEERLHYGENGVQKDVSRSIYSQTEKLVAGKSQIQAP  NPKQEPWHGENAKGESGQSTNREQDLLSHEQKGRHQHGSHGGLDIVIIEQED  DSDRHLAQLNNDRNPLFT</p>
<b>Source</b>	Mammalian cell
<b>Target Names</b>	SEMG1
<b>Protein Names</b>	Recommended name: Semenogelin-1 Alternative name(s): Semenogelin I Short name= SGICleaved into the following 3 chains: 1. Alpha-inhibin-92 2. Alpha-inhibin-31 3. Seminal basic protein
<b>Expression Region</b>	24-402
<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>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This protein is the predominant protein in semen. The encoded secreted protein is involved in the formation of a gel matrix that encases ejaculated spermatozoa. The prostate-specific antigen (PSA) protease processes this protein into smaller peptides, with each possibly having a separate function. The proteolysis process breaks down the gel matrix and allows the spermatozoa to move more freely.
<b>Reconstitution</b>	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.
<b>Shelf Life</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.