

Recombinant Human SEMG1 Protein, His-tagged

Cat. No. SEMG1-698H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SEMG1(Gln24~Thr462) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gln24~Thr462
Description	The protein encoded by this gene is the predominant protein in semen. The encoded secreted protein is involved in the formation of a gel matrix that encases ejaculated spermatozoa. This preproprotein is proteolytically processed by the prostate-specific antigen (PSA) protease to generate multiple peptide products that exhibit distinct functions. One of these peptides, Sgl-29, is an antimicrobial peptide with antibacterial activity. This proteolysis process also breaks down the gel matrix and allows the spermatozoa to move more freely. This gene and another similar semenogelin gene are present in a gene cluster on chromosome 20.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	57.0kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 93%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others.

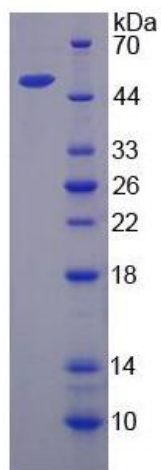
GENE INFORMATION

Gene Name	SEMG1 semenogelin I [Homo sapiens]
Official Symbol	SEMG1
Synonyms	SEMG1; semenogelin I; SEMG; semenogelin-1; cancer/testis antigen 103; CT103; semen coagulating protein; SGI; dJ172H20.2; FLJ78262; MGC14719;
Gene ID	6406
mRNA Refseq	NM_003007
Protein Refseq	NP_002998
MIM	182140
UniProt ID	P04279

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15% SDS-PAGE

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