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## 32-7556: Recombinant Human Semenogelin-1/SEMG1 (C-6His)

**Gene :** SEMG1
**Gene ID :** 6406
**Uniprot ID :** P04279

## Description

Source: Human Cells.
MW :43.8kD.
Recombinant Human Semenogelin-1 is produced by our Mammalian expression system and the target gene encoding Gln24-Thr402 is expressed with a 6His tag at the C-terminus. Semenogelin-1 (SEMG1) is the predominant protein in semen; it is a secretory protein involved in the formation of a gel matrix entrapping the accessory gland secretions and ejaculated spermatozoa. The prostate-specific antigen (PSA) protease processes SEMG1 into smaller peptides, each possibly having a separate function. In the proteolysis process, Alpha-inhibin-92 and alpha-inhibin-31 are produced; they inhibit the secretion of pituitary follicle-stimulating hormone. At the same time, it breaks down the gel matrix, allowing the spermatozoa to move more freely.

## Product Info

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| **Amount :** | 10 µg / 50 µg |
| **Content :** | Lyophilized from a 0.2 µm filtered solution of 20mM Hac-NaAc, 150mM NaCl, pH 4.5. |
| **Storage condition :** | Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months. |
| **Amino Acid :** | QKGGSKGRLPSEFSQFPHGQKGQHYSGQKGKQQTESKGSFSIQYTYHVDANDHDQSRKSQQYDLNALHKTT KSQRHLGGSQQLLHNKQEGRDHDKSKGHFHRVVIHHKGGKAHRGTQNPSQDQGNSPSGKGISSQYSNTEER LWVHGLSKEQTSVSGAQKGRKQGGSQSSYVLQTEELVANKQQRETKNSHQNKGHYQNVVEVREEHSSKVQT SLCPAHQDKLQHGSKDIFSTQDELLVYNKNQHQTKNLNQDQQHGRKANKISYQSSSTEERRLHYGENGVQKD VSQRSIYSQTEKLVAGKSQIQAPNPKQEPWHGENAKGESGQSTNREQDLLSHEQKGRHQHGSHGGLDIVIIEQ EDDSDRHLAQHLNNDQNPLFTVDHHHHHH |

## Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 ÃÂµg/ml. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
**Endotoxin :** Less than 0.1 ng/ÃÂµg (1 IEU/ÃÂµg) as determined by LAL test.

***For Research Use Only. Not for use in diagnostic/therapeutics procedures.***