

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

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 : QKGGSKGRLPSEFSQFPHGQKQHYSGQKQKQTESKGSFSIQYTYHVDANDHDQSRKSQQYDLNALHKTT
KSQRHLGGSQQLLHNKQEGRDHDKSKGHFHRVVIHKKGKAHRGTQNPQDQGNPSGKGISSQYSNTEER
LWVHGLSKEQTSVSGAQKGRKQGGSSSYVLQTEELVANKQQRETKNSHQNKGHYQNVVEVREEHSSKVQT
SLCPAHQDKLQHGSKDIFSTQDELLVYNKNQHQTKNLNQDQHGHRKANKISYQSSSTEERRLHYGENGVQKD
VSQRSIYSQTEKLVAGKSIQAPNPKQEPWHGENAKGESGQSTNREQDILLSHEQKGRHQHGSHGGLDIVIIIEQ
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 µg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.