

Datasheet for ABIN7319008
SEMG1 Protein (His tag)



[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	SEMG1
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SEMG1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Semenogelin-1/SEMG1 Protein (His Tag)
Sequence:	Gln24-Thr402
Characteristics:	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.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	SEMG1
Alternative Name:	Semenogelin-1/SEMG1 (SEMG1 Products)
Background:	Background: 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

Target Details

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.

Synonym: Semenogelin-1, Semenogelin I, SGI, SEMG1, SEMG, Alpha-Inhibin-92, Alpha-Inhibin-31, Seminal Basic Protein

Molecular Weight: 43.8 kDa

UniProt: [P04279](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM Hac-NaAc, 150 mM NaCl, pH 4.5.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.