

## Recombinant Human SEMG1 Protein

Catalog #	Source	Reactivity	Applications
CRP2265	Human cells	Human	E, WB, SDS-PAGE, MS
<b>Description</b>	Recombinant Human SEMG1 Protein is produced by our Mammalian expression system and the target gene encoding Gln24-Thr402 is expressed with a 6His tag at the C-terminus.		
<b>Form</b>	Lyophilized from a 0.2 μM filtered solution of 20mM Hac-NaAc, 150mM NaCl, pH 4.5		
<b>Gene Symbol</b>	SEMG1		
<b>Alternative Names</b>	SEMG; Semenogelin-1; Semenogelin I; SGI		
<b>Entrez Gene</b>	6406 (Human)		
<b>SwissProt</b>	P04279 (Human)		
<b>Purity</b>	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.		
<b>Chemical Structure</b>	<p>QKGGSKGRLP SEFSQFPHGQ KGQHYSGQKG KQQTESKGSF SIQYTYHVDA NDHDQSRKSQ</p> <p>QYDLNALHKT TKSQRHLGGS QQLLHNKQEG RDHDKSKGHF HRVVIHHKGG</p> <p>KAHRGTQNPS QDQGNPSGK GISSQYSNTE ERLWVHGLSK EQTSVSGAQK GRKQGGSS</p> <p>YVLQTEELVA NKQQRETKNS HQNKGHYQNV VEVREEHSSK VQTSLCPAHQ DKLQHGSKDI</p> <p>FSTQDELLVY NKNQHQTKNL NQDQQHGRKA NKISYQSSST EERRLHYGEN GVQKDVSQRS</p> <p>IYSQTEKLVA GKSQIQAPNP KQEPWHGENA KGESGQSTNR EQDLLSHEQK</p> <p>GRHQHGSHGG LDIVIIIEQED DSDRHLAQHL NNDQNPLFTV DHHHHHH</p>		
<b>Quality Control</b>	Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.		
<b>Directions for Use</b>	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 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.		

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

### COHESION BIOSCIENCES LIMITED

**WEB**  
[www.cohesionbio.com](http://www.cohesionbio.com)

**ORDER**  
[order@cohesionbio.com](mailto:order@cohesionbio.com)

**SUPPORT**  
[techsupport@cohesionbio.com](mailto:techsupport@cohesionbio.com)

**CUSTOM**  
[custom@cohesionbio.com](mailto:custom@cohesionbio.com)

# Product Data Sheet

## Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

## COHESION BIOSCIENCES LIMITED

### WEB

[www.cohesionbio.com](http://www.cohesionbio.com)

### ORDER

[order@cohesionbio.com](mailto:order@cohesionbio.com)

### SUPPORT

[techsupport@cohesionbio.com](mailto:techsupport@cohesionbio.com)

### CUSTOM

[custom@cohesionbio.com](mailto:custom@cohesionbio.com)