

Semenogelin I Human Recombinant

Item Number	rAP-4051
Synonyms	CT103, dJ172H20.2, SEMG, SGI, Semenogelin-1, Semenogelin I, SEMG1.
Description	SEMG1 Human Recombinant produced in E. coli is a single polypeptide chain containing 462 amino acids (24-462) and having a molecular mass of 52kDa. SEMG1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	P04279
Amino Acid Sequence	MGSSHHHHHH SSSLVPRGSH MGSQKGGSKG RLPSEFSQFP HGQKGGQHYSG QKGGKQQTESK GSFSIQYTYH VDANDHDQSR KSQQYDLNAL HKTTKSQRHL GGSQQLLHNK QEGRDHDKSK GHFHR- VVIHH KGGKAHRGTQ NPSQDQGNP SGKGISSQYS NTEERLWVHG LSKEQTSVSG AQKGRKQGGG QSSYVLQTEE LVANKQQRET KNSHQKNGHY QNVVEVREEH SSKVQTSCLP AHQDKLQHGS KDIFSTQDEL LVYKNQHQQT KNLNQDQQHG RKANKISYQS SSTEERRLHY GENGVQKDVS QSSIYSQTEE KAQGKSQKQI TIPSQEQEHS QKANKISYQS SSTEERRLHY GENGVQKDVS
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	The SEMG1 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 7.5), 0.5M NaCl, 10% glycerol, 250mM Imidazole, 0.1mM PMSF and 1mM DTT. Greater than 85% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**