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SEMG1, 24-462aa, Human, His tag, E.coli

产品货号: TP03883

第三版

别名:Semenogelin-1, Semenogelin 1, CT103, dJ172H20.2, SEMG, SGI

描述:SEMG1 is the predominant protein in semen. The secreted protein is involved in the formation of a gel matrix that encases ejaculated spermatozoa. The prostate-specific antigen (PSA) protease processes this protein into smaller peptides, with each possibly having a separate function. The proteolysis process breaks down the gel matrix and allows the spermatozoa to move more freely. Two transcript variants encoding different isoforms have been found for this gene. Recombinant human SEMG1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 20% glycerol, 1mM DTT.

分子量:52kDa (462aa)

序列:

MGSSHHHHHSSGLVPRGSHMGSQKGGSKGRLPSEFSQFPHGQKGGHYSGQKGGKQQTESKGSFSIQYTYHVDANDHD
QSRKSQQYDLNALHKTTSQRHLGGSQQLLHNKQEGRDHDKSKGHFHRVVIHKGKGAHRGTQNPSSQDQGNPSGK
GISSQYSNTEERLWVHGLSKEQTSVSGAQKGRKQGGSSSYVLQTEELVANKQQRETKNSHQNKGHYQNVVEVREEHSS
KVQTSLCPAHQDKLQHGSKDIFSTQDELLVYNKNQHQTKNLNQDQQHGRKANKISYQSSSTEERRLHYGENGVQKDVS
QSSIYSQTEEKAQGKSQKQITIPSEQEHSQKANKISYQSSSTEERRLHYGENGVQKDVSQRSIYSQTEKLVAGKSQIQAPNP
KQEPWHGENAKGESGQSTNREQDLLSHEQKGRHQHGSHGGLDIVIIEQEDSDRHLAQLNNDNRNPLFT

纯度:> 95% by HPLC

浓度:0.5 mg/ml (determined by Bradford assay)

内毒素:<1.0 EU per 1 ug of protein (determined by LAL method)

存储:+4 ° C 保存 (1-2 周). 长期保存在-20 ° C或者-70 ° C. 避免反复冻融.