

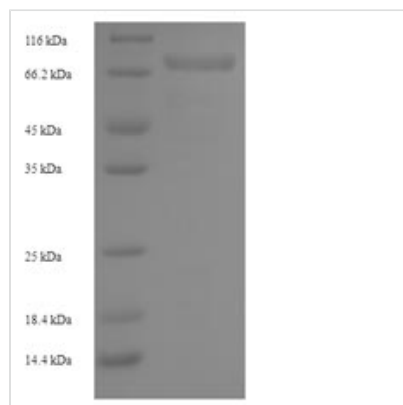


Recombinant Human Hyaluronidase PH-20(SPAM1)

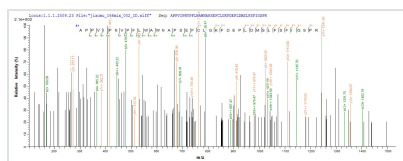
Product Code	CSB-EP022471HU
Relevance	Involved in sperm-egg adhesion. Upon fertilization sperm must first penetrate a layer of cumulus cells that surrounds the egg before reaching the zona pellucida. The cumulus cells are bedded in a matrix containing hyaluronic acid which is formed prior to ovulation. This protein aids in penetrating the layer of cumulus cells by digesting hyaluronic acid.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P38567
Storage Buffer	Tris-based buffer,50% glycerol
Alias	Hyaluronoglucosaminidase PH-20Sperm adhesion molecule 1Sperm surface protein PH-20
Product Type	Recombinant Protein
Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	LNFRAPPVIPNVPFLWAWNAPSEFCLGKFDEPLDMSLFSFIGSPRINATGQGV TIFYVDRLGYYPYIDSITGVTVNGGIPQKISLQDHLDAKAKDITFYMPVDNLGMA VIDWEEWRPTWARNWKPKDVYKNRSIELVQQQNVQLSLTEATEKAKQEFKA GKDFLVETIKLGKLLRPNHLWGYYLFPDCYNHHYKKPGYNGSCFNVEIKRND LSWLWNESTALYPSIYLNTQQSPVAATLYVRNRVREAIRVSKIPDAKSPLPVFA YTRIVFTDQVLKFLSQDELVYTFGETVALGASGIVIWGTLSIMRSMKSCLLLDNY METILNPYIINVTLAAKMCSQVLCQEQGVCIRKNWNSSDYLHLNPDNFAIQLEK GGKFTVRGKPTLEDLEQFSEKFCSCYSTLSCKEKADVKD TDAVDVCIADGVC IDAFKPPMETEEPQIFYNASPSTLS
Research Area	Cancer
Source	E.coli
Gene Names	SPAM1
Expression Region	36-490aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	67.9kDa
Protein Description	Full Length of Mature Protein



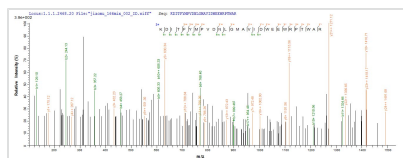
Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP022471HU could indicate that this peptide derived from E.coli-expressed Homo sapiens (Human) SPAM1.



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