

Recombinant Human SPAM1 Protein (36-490 aa), His-SUMO-tagged

Cat. No. SPAM1-817H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SPAM1 Protein (36-490 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Cancer. Protein Description: Full Length of Mature Protein.
Species	Human
Source	E.coli
ProteinLength	36-490 aa
Description	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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	67.9 kDa
AA Sequence	LNFRAPPVIPNPFLWAWNAPSEFCLGKFDEPLDMSLFSFIGSPRINATGQGVTIFYV DRLGYYPYIDSITGVTVNGGIPQKISLQDHLDKAKKDITFYMPVDNLGMAVIDWEEWR PTWARNWKPKDVYKNRSIELVQQNVQLSLTEATEKAKQEFKAGKDFLVETIKLG KLLRPNHLWGYYLFPDCYNHHYKKPGYNGSCFNVEIKRNDLWSLWNESTALYPSI

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YLNTQQSPVAATLYVRNRVREAIRVSKIPDAKSPLPVFAYTRIVFTDQVLKFLSQDEL
 VYTFGETVALGASGIVIWGTLSIMRSMKSCLLLDNYMETILNPYIINVTLAAKMCSQVL
 CQEQGVCIRKNWNSSDYLHLNPDNFAIQLEKGGKFTVRGKPTLEDLEQFSEKFYCS
 CYSTLSCKEKADVKTDAVDVCIADGVCIDAFLKPPMETEEPQIFYNASPSTLS

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name SPAM1 sperm adhesion molecule 1 (PH-20 hyaluronidase, zona pellucida binding) [Homo sapiens]

Official Symbol SPAM1

Synonyms SPAM1; HYAL5; PH 20; SPAG15; hyal-PH20; HYA1; PH20; HYAL1; HYAL3; PH-20; MGC26532;

Gene ID 6677

mRNA Refseq NM_001174044

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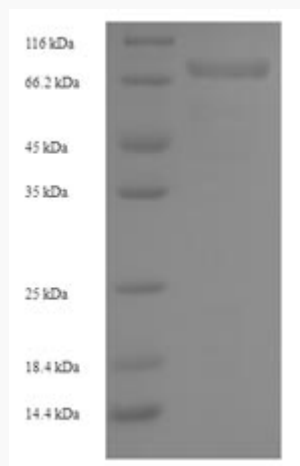
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Protein Refseq NP_001167515

MIM 600930

UniProt ID P38567



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

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