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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

SPAM1 (Human) Recombinant Protein (P01)

Catalog Number: H00006677-P01

Regulation Status: For research use only (RUO)

Product Description: Human SPAM1 full-length ORF (NP_694859.1, 1 a.a. - 509 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MGVLKFKHIFRFSVFKSSGVSQIVFTLLIPCCLTLNFR
APPVIPNVPFLWAWNAPSEFCLGKFDEPLDMSLFSFIG
SPRINATGQGVTFIFYVDRLGYYPYIDSITGVTVNGGIPQ
KISLQDHLDKAKKDITFYMPVDNLGMAVIDWEEWRPT
WARNWKPKDVYKNRSIELVQQQNVQLSLTEATEKAK
QEFKAGKDFLVETIKLGLLRPNHLWGYYLFPDCYN
HHYKKPGYNGSCFNVEIKRNDLSWLWNESTALYPSI
YLNTQQSPVAATLYVRNRVREAIRVSKIPIPAKSPPLVF
AYTRIVFTDQVLKFLSQDELVYTFGETVALGASGIVIWG
TLSIMRSMKSCLLLDNYMETILNPYIINVTLAAKMCSQV
LCQEQGVCIRKNWNSSDYHLHNPDNFAIQLEKGGKFT
VRGKPTLEDLEQFSEKFCSCYSTLSCKEKADVKDTD
AVDVCIAIDGVCIDAFLKPPMETEEPQIFYNASPSTLSAT
MFIVSILFLIISVASL

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 84.2

Interspecies Antigen Sequence: Mouse (63); Rat (62)

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 6677

Gene Symbol: SPAM1

Gene Alias: HYA1, HYAL1, HYAL3, HYAL5, MGC26532, PH-20, PH20, SPAG15

Gene Summary: Hyaluronidase degrades hyaluronic acid, a major structural proteoglycan found in extracellular matrices and basement membranes. Six members of the hyaluronidase family are clustered into two tightly linked groups on chromosome 3p21.3 and 7q31.3. This gene was previously referred to as HYAL1 and HYA1 and has since been assigned the official symbol SPAM1; another family member on chromosome 3p21.3 has been assigned HYAL1. This gene encodes a GPI-anchored enzyme located on the human sperm surface and inner acrosomal membrane. This multifunctional protein is a hyaluronidase that enables sperm to penetrate through the hyaluronic acid-rich cumulus cell layer surrounding the oocyte, a receptor that plays a role in hyaluronic acid induced cell signaling, and a receptor that is involved in sperm-zona pellucida adhesion. Abnormal expression of this gene in tumors has implicated this protein in degradation of basement membranes leading to tumor invasion and metastasis. Multiple protein isoforms are encoded by transcript variants of this gene. [provided by RefSeq]