

Active Recombinant Human SPAM1 protein, His-tagged

Cat. No. SPAM1-738H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SPAM1 protein(Leu 36 - Tyr 482), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Leu 36 - Tyr 482
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM NaCl, pH7.5, 10% trehalose.
Bio-activity	The activity of Human PH20, His Tag is measured by its ability to hydrolyze HA in turbidimetric assay (45 minute assay). The specific activity is >60,000 U/mg. (Unit Definition: One unit of Hyaluronidase activity will cause a change in A600 of 0.330 per minute at pH5.35 at 37 °C in a 2.0 mL reaction mixture).
Molecular Mass	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 53.0 kDa. The protein migrates as 60-66 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.

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Storage For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

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

Official Symbol SPAM1

Synonyms SPAM1; sperm adhesion molecule 1 (PH-20 hyaluronidase, zona pellucida binding); hyaluronidase PH-20; HYAL5; PH 20; SPAG15; hyal-PH20; sperm surface protein PH-20; hyaluronoglucosaminidase PH-20; HYA1; PH20; HYAL1; HYAL3; PH-20; MGC26532;

Gene ID 6677

mRNA Refseq NM_001174044

Protein Refseq NP_001167515

MIM 600930

UniProt ID P38567

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