

Active Recombinant Bovine SPAM1, His-tagged

Cat. No. SPAM1-358B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Bovine SPAM1 (Accession # AAI10184) Met1-Thr497, fused with a C-terminal 6-His tag, was produced in Chinese Hamster Ovary cell line, CHO-derived.
Species	Bovine
Source	CHO
ProteinLength	1-497 a.a.
Predicted N Terminal	Leu36
Form	Supplied as a 0.2 µ filtered solution in Tris and NaCl.
Bio-activity	Measured by its ability to hydrolyze S-35 labeled bovine cartilage chondroitin sulfate.<20 ng of recombinant human SPAM1 is required for the 50% hydrolysis of 10 µg chondroitin sulfate, as measured under the described conditions.
Molecular Mass	Recombinant Bovine SPAM1, His-tagged has a calculated MW of 53 kDa. In SDS-PAGE migrates as 60-70 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain at 5 µg per lane.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3

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months (-70°C).

GENE INFORMATION

Gene Name SPAM1 sperm adhesion molecule 1 (PH-20 hyaluronidase, zona pellucida binding) [Bos taurus (cattle)]

Official Symbol SPAM1

Synonyms SPAM1; sperm adhesion molecule 1 (PH-20 hyaluronidase, zona pellucida binding); PH-20; sperm adhesion molecule 1; hyaluronidase, zona pellucida binding; NP_001008413.3; EC 3.2.1.35

Gene ID 353352

mRNA Refseq NM_001008413

Protein Refseq NP_001008413

MIM

Chromosome Location 4

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