

Recombinant Rat Spam1 Protein, His-tagged

Cat. No. Spam1-2091R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Spam1 Protein (Val36-Cys464) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Val36-Cys464
Description	Predicted to enable hyaluronoglucosaminidase activity. Predicted to be involved in hyaluronan catabolic process. Predicted to act upstream of or within single fertilization. Predicted to be located in external side of plasma membrane and membrane raft. Predicted to be active in acrosomal vesicle. Orthologous to human SPAM1 (sperm adhesion molecule 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 52.7 kDa Accurate Molecular Mass: 53 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Storage Buffer

PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in PBS or others.

GENE INFORMATION

Gene Name

Spam1 sperm adhesion molecule 1 (PH-20 hyaluronidase, zona pellucida binding) [*Rattus norvegicus* (Norway rat)]

Official Symbol

Spam1

Synonyms

SPAM1; sperm adhesion molecule 1 (PH-20 hyaluronidase, zona pellucida binding); hyaluronidase PH-20; hyal-PH20; sperm surface antigen 2B1; sperm surface protein PH-20; hyaluronoglucosaminidase PH-20; Spam; MGC93268;

Gene ID

117037

mRNA Refseq

NM_053967

Protein Refseq

NP_446419

UniProt ID

Q62803

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