

Datasheet for ABIN2566867
SPAM1 Protein (His tag)



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Overview

Quantity:	0.025 mg
Target:	SPAM1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SPAM1 protein is labelled with His tag.
Application:	Western Blotting (WB)

Product Details

Purity: >92 % as determined by SDS-PAGE.

Target Details

Target:	SPAM1
Alternative Name:	PH20 Hyaluronidase (SPAM1 Products)
Background:	Hyaluronidase PH-20 is also known as Sperm adhesion molecule 1 (SPAM1) and Sperm surface protein PH-20, which belongs to the glycosyl hydrolase 56 family, SPAM1 / PH-20 is expressed in testis. SPAM-1 / PH20 random hydrolysis of (1->4)-linkages between N - acetyl - beta - D - glucosamine and D-glucuronate residues in hyaluronate. SPAM-1 / PH20 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 embedded in a matrix containing hyaluronic acid which is formed prior to ovulation. SPAM1 aids in penetrating the layer of cumulus cells by digesting hyaluronic acid.

Target Details

Molecular Weight: 52.1 kDa

Gene ID: 6677

UniProt: [P38567](#)

Application Details

Application Notes: This recombinant protein can be used for WB. For research use only.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: 50 mM Tris, 100 mM NaCl, pH 7.0-7.4

Storage: -80 °C,-20 °C

Storage Comment: Lyophilized Protein should be stored at -20°C or lower for long term storage. Upon reconstitution, working aliquots should be stored at -20°C or -70°C. Avoid repeated freeze-thaw cycles.