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Datasheet for ABIN7319050 **SPESP1 Protein (His tag)**

Overview

Quantity:	50 µg
Target:	SPESP1
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SPESP1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human SPESP1 Protein (His Tag)
Sequence:	Tyr20-Tyr350
Characteristics:	Recombinant Human Sperm Equatorial Segment Protein 1 is produced by our Mammalian expression system and the target gene encoding Tyr20-Tyr350 is expressed with a 6His tag at the C-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	SPESP1
Alternative Name:	SPESP1 (SPESP1 Products)
Background:	Background: Sperm Equatorial Segment Protein 1 (SPESP1) is a member of the SPESP1 family. SPESP1 is highly expressed in the testis, where it is localized to the acrosome of postmeiotic

Target Details

stages of spermiogenesis, it is expressed at lower levels in the placenta and fetal lung. SPESP1 is involved in the multicellular organisimal development. Disruption of SPESP1 leads to abnormal distribution of sperm proteins resulting in a detached membrane from the equatorial segment and less fertile sperm. SPESP1 may interact with IZUMO1 and MN9 antigen and it contains an N-glycosylation site as well as several cAMP-dependent kinase, protein kinase C, and casein kinase II consensus phosphorylation sites.

Synonym: Sperm Equatorial Segment Protein 1, ESP, Equatorial Segment Protein, SP-ESP, Glycosylated 38 kDa Sperm Protein C-7/8, SPESP1

Molecular Weight: 37.9 kDa

UniProt: [Q6UW49](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.