

Recombinant Full Length Human SPA17 Protein

Cat. No. SPA17-31433TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human SP17 with 25 kDa proprietary tag produced in <i>Saccharomyces cerevisiae</i> ; amino acids 1-151; 151 amino acids, 17.4kDa.
Species	Human
Source	S.Cerevisiae
ProteinLength	1-151 a.a.
Description	This gene encodes a protein present at the cell surface. The N-terminus has sequence similarity to human cAMP-dependent protein kinase A (PKA) type II alpha regulatory subunit (RIIa) while the C-terminus has an IQ calmodulin-binding motif. The central portion of the protein has carbohydrate binding motifs and likely functions in cell-cell adhesion. The protein was initially characterized by its involvement in the binding of sperm to the zona pellucida of the oocyte. Recent studies indicate that it is also involved in additional cell-cell adhesion functions such as immune cell migration and metastasis. A retrotransposed pseudogene is present on chromosome 10q22.
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 30% Glycerol, 0.5% Triton-X-100, 50mM HEPES, 30mM Glutathione, 100mM Sodium chloride, 1mM DTT, pH 7.5

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Sequences of amino acids	MSIPFSNTHYRIPQGFGNLLLEGLTREILREQPDNIPAFAA AYFESLLEKREKTNFDPA EWGSKVEDRFYNNHAFEEQE PPEKSDPKQEEESQISGKEEETSVTILDSSEEDKEKE EV AAVKIQA AFRGHIAREEEAKKMKTNSLQNEEKEENK
Full Length	Full L.
GENE INFORMATION	
Gene Name	SPA17 sperm autoantigenic protein 17 [Homo sapiens]
Official Symbol	SPA17
Synonyms	SPA17; sperm autoantigenic protein 17; sperm surface protein Sp17; cancer/testis antigen 22; CT22; SP17;
Gene ID	53340
mRNA Refseq	NM_017425
Protein Refseq	NP_059121
MIM	608621
Uniprot ID	Q15506
Chromosome Location	11q24.2
Function	cAMP-dependent protein kinase regulator activity;

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