

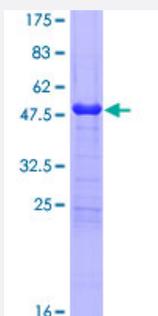
## Full-Length

# SPA17 (Human) Recombinant Protein (P02)

Catalog # H00053340-P02

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human SPA17 full-length ORF ( NP_059121.1, 1 a.a. - 151 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	MSIPFSNTHYRIPQGFGNLLEGLTREILREQPDNIPAFAAAYFESLLEKREKTNFDPAEWGSKVED RFYNNHAFEEQEPPEKSDPKQEESQISGKEEETSVTILDSSEEDKEKEEVAAVKIQAAFRGHIARE EAKKMKTNLQNEEKEENK
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	43.8
<b>Interspecies Antigen Sequence</b>	Mouse (72); Rat (72)
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system</a>
<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Note**

Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — SPA17

**Entrez GeneID** [53340](#)

**GeneBank Accession#** [NM\\_017425.2](#)

**Protein Accession#** [NP\\_059121.1](#)

**Gene Name** SPA17

**Gene Alias** SP17, SP17-1

**Gene Description** sperm autoantigenic protein 17

**Omim ID** [608621](#)

**Gene Ontology** [Hyperlink](#)

**Gene Summary** 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

**Other Designations** sperm protein 17