

## Product datasheet for **TP324764M**

### SPAG11B (NM\_058201) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human sperm associated antigen 11B (SPAG11B), transcript variant D, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC224764 representing NM_058201 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MRQRLPSVTSLLLVALLPFGSSQARHVNHSATEALGELRERAPGQGTNGFQLLRHAVKRDLLPRTPPY QGDVPPGIRNTICRMQQGICRLFFCHSGEKKRDICSDPWNRCCVSNTDEEGKEKPEMDGRSGI  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	12.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_478108</a>
Locus ID:	10407
UniProt ID:	<a href="#">Q08648</a>
RefSeq Size:	718



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Cytogenetics: 8p23.1

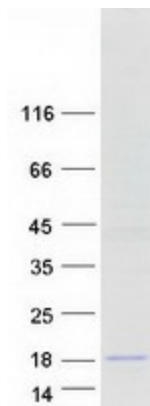
RefSeq ORF: 399

Synonyms: EDDM2B; EP2; EP2C; EP2D; HE2; HE2C; SPAG11; SPAG11A

**Summary:** This gene encodes several androgen-dependent, epididymis-specific secretory proteins. The specific functions of these proteins have not been determined, but they are thought to be involved in sperm maturation. Some of the isoforms contain regions of similarity to beta-defensins, a family of antimicrobial peptides. The gene is located on chromosome 8p23 near the defensin gene cluster. Alternative splicing of this gene results in seven transcript variants encoding different isoforms. Two different N-terminal and five different C-terminal protein sequences are encoded by the splice variants. Two additional variants have been described, but their full length sequences have not been determined. [provided by RefSeq, Jul 2008]

**Protein Families:** Secreted Protein

### Product images:



Coomassie blue staining of purified SPAG11B protein (Cat# [TP324764]). The protein was produced from HEK293T cells transfected with SPAG11B cDNA clone (Cat# [RC224764]) using MegaTran 2.0 (Cat# [TT210002]).