

## Product datasheet for PH324764

### SPAG11B (NM\_058201) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	SPAG11B MS Standard C13 and N15-labeled recombinant protein (NP_478108)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC224764
Predicted MW:	12.1 kDa
Protein Sequence:	>RC224764 representing NM_058201 Red=Cloning site Green=Tags(s)  MRQRLPSVTSLLLVALLFPGSSQARHVNHSATEALGELRERAPGQGTFQLLRHAVKRDLLPPRTPPY QGDVPPGIRNTICRMQQGICRLFFCHSGEKKRDI CSDPWNRCVSNTDEEGKEKPEMDGRSGI  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_478108</a>
RefSeq Size:	718
RefSeq ORF:	399
Synonyms:	EDDM2B; EP2; EP2C; EP2D; HE2; HE2C; SPAG11; SPAG11A
Locus ID:	10407
UniProt ID:	<a href="#">Q08648</a>
Cytogenetics:	8p23.1



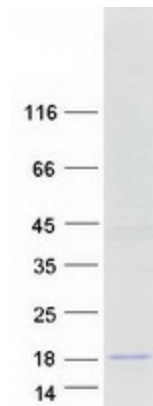
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**Summary:**

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]).