

## Product datasheet for **SC317220**

### SPAG11B (NM\_058207) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SPAG11B (NM_058207) Human Untagged Clone
Tag:	Tag Free
Symbol:	SPAG11B
Synonyms:	EDDM2B; EP2; EP2C; EP2D; HE2; HE2C; SPAG11; SPAG11A
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_058207, the custom clone sequence may differ by one or more nucleotides ATGAAGGTCTTTTTCTGTTTGCTGTTCTTTTTGTTGGTCCAAACAACTCAGGGGAT GTTCCACCGGAATTAGAAATACCATCTGCCATATGCAGCAAGGGATCTGCAGACTTTTT TTCTGCCATTCTGGTGAGAAAAAGCGTGACATTTGCTCTGATCCCTGGAATAGGTGTTGC GTATCAAATACAGATGAAGAAGGAAAAGAGAAACCAGAGATGGATGGCAGATCTGGGATC
Restriction Sites:	Please inquire
ACCN:	NM_058207
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>



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RefSeq: [NM\\_058207.2](#), [NP\\_478114.2](#)

RefSeq Size: 444 bp

RefSeq ORF: 243 bp

Locus ID: 10407

UniProt ID: [Q08648](#)

Cytogenetics: 8p23.1

Protein Families: Secreted Protein

**Gene 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]  
Transcript Variant: This variant (E) has an alternate 5' UTR and lacks one internal exon, compared to variant A. The N-terminus of the encoded isoform (E) is identical to isoform B, and its C-terminus is identical to isoform D. Isoform E has a region of similarity to beta-defensins. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on orthologous transcript alignments and on data in PMID: 15229135.