

Product datasheet for SC122395

SPACA1 (BC029488) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPACA1 (BC029488) Human Untagged Clone
Tag:	Tag Free
Symbol:	SPACA1
Synonyms:	MGC32952; OTTHUMP00000016837; SAMP32; sperm acrosomal membrane-associated protein 32; sperm acrosome associated 1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC029488 edited

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GTCACGGGATTCGGAGCCGGGCGGCTACGGGCGGGGTGTCGCAGCTCTCTCGACGTACC
TGTCCTCAGGAGCCGCGGCGGCGACTGCGCCTCGGACGGCCGTCGGGGCCGAGAACCATG
AGCCCCAGGGGACCGGGTGTCTCCGCCGGGCTGCTGATGACTGTCGGCTGGCTGCTTCTG
GCGGGCCTCCAGTCCGCGCGCGGGACCAACGTCACCGCTGCCGTCCAGGATGCCGGCCTG
GCCCCACGAAGGCGAGGGCGAGGAGAGACCGAAAACAACGACAGCGAGACCGCGGAGAAC
TACGCTCCGCCTGAAACCGAGGATGTTTCAAATAGGAATGTCGTCAAAGAAGTAGAATTC
GGAATGTGCACCGTTACATGTGGTATTGGTGTAGAGAAGTTATATTAACAAATGGATGC
CCTGGTGGTGAATCCAAGTGTGTGTACGGGTAGAAGAATGCCGTGGACCAACAGATTGT
GGCTGGGGTAAACCAATTTAGAAAGTCTTGAAAGTGTAGATTGGCATGTATTCACACA
TCTCCCTTAAATCGTTTCAAATATATGTGGAACCTTCTAAGACAAGACCAACAATCCATT
ATACTTGTAATGATTCAGCAATCCTAGAAGTACGCAAGGAAAGTCACCCCTTGGCTTTC
GAGTGTGACACACTGGATAATAATGAAATAGTAGCAACTATTAATTCACAGTCTATACG
AGCAGTGAATTGCAGATGAGAAGATCAAGCCTACCAGCCACTGATGCAGCCCTAATTTTT
GTGCTGACCATAGGAGTCATTATCTGTGATTTATAATTTCTTATTGATCTTCATAATC
ATAAATTTGGGAGCAGTCAAGGCTTTCTGGGGGGCAAAAGCCTCTACACCGAGGTACAA
TCCGAGCAGAGTTCTGTGAGATACAAAGATTCACTTCTCTTGACCAATTACCAACAGAA
ATGCCTGGTGAAGATGATGCTTTAAGTGAATGGAATGAATGATGTTTGAATGATATATAA
CAAACCAAGGATATTACAGAATATTAGATTCTATTACAAAAATAAAATACACATTGA
AATACTTTAAAAAAAAAAAAAAAAAAAAAAAAAAAA
  
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC029488 unedited <pre> AGTTTAGATTTGTATACCACTTCTATAGGCGGCCGCATAACTTCGTATAGCATACATTAT ACGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTCGAGAGCGGGTCACGGG ATTCGGAGCCGGGCGGCTACGGGCGGGGTGTCGACGCTCTCTTCGACGTACCTGTCCTCA GGAGCCGCGGCGGCGACTGCGCCTCGGACGGCGTTCGGGGCCGAGAACCATGAGCCCCAG GGGCACGGGCTGCTCCGCCGGGCTGCTGATGACTGTCGGCTGGCTGCTTCTGGCGGGCCT CCAGTCCGCGCGGGACCAACGTCACCGCTGCCGTCCAGGATGCCGGCCTGGCCACGA AGGCGAGGGCGAGGAGGAGACCGAAAACACGACAGCGAGACCGCGGAGAACTACGCTCC GCCTGAAACCGAGGATGTTTCAAATAGGAATGTCGTCAAAGAAGTAGAATTCGGAATGTG CACCGTTACATGTGGTATTGGTGTAGAGAAGTTATTAACAAATGGATGCCCTGGTGG TGAATCCAAGTGTGTGTACGGGTAGAAGAATGCCGTGGACCAACAGATTGTGGCTGGGG TAAACCAATTTAGAAAGTCTTAAAGTGTAGATTGGCATGTATTACACATCTCCCTT AAATCGTTTCANATATATGTGGAACTTCTAAGACAAGACCAACAATCCATTATACTTGT AAATGATTACGAATCCTAGGAGTACGCAAGGAAAGTACCCCTTGGCTTTCGAGTGTGA CACACTGGGATAATAATGAAATAGTAGCACTATTAATCACAGTCTATACGAGCAGTGA ATTGCAGATGAGAAGATCAAGCCTACAGCCCCTGATGCAGCCCTAAATTTGTGCTGACC ATAGAGTCATATCTGGGGAT </pre>
Restriction Sites:	Please inquire
ACCN:	BC029488
Insert Size:	1115 bp
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).
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:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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.
RefSeq:	<u>BC029488.1, AAH29488.1</u>
RefSeq Size:	1115 bp
RefSeq ORF:	882 bp
Locus ID:	81833
Cytogenetics:	6q15
Protein Families:	Transmembrane

Gene Summary:

The correlation of anti-sperm antibodies with cases of unexplained infertility implicates a role for these antibodies in blocking fertilization. Improved diagnosis and treatment of immunologic infertility, as well as identification of proteins for targeted contraception, are dependent on the identification and characterization of relevant sperm antigens. The protein expressed by this gene is recognized by anti-sperm antibodies from infertile males. Furthermore, antibodies generated against the recombinant protein block in vitro fertilization. This protein localizes to the acrosomal membrane of spermatids and mature spermatozoa where it is thought to play a role in acrosomal morphogenesis and in sperm-egg binding and fusion, respectively. [provided by RefSeq, Jul 2008]