

Product datasheet for **SC122511**

ROPN1B (BC015413) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ROPN1B (BC015413) Human Untagged Clone
Tag:	Tag Free
Symbol:	ROPN1B
Synonyms:	AKAP-binding sperm protein ropporin; ropporin, rhophilin associated protein 1B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC015413 edited

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GCTTTGTGTAAGTGGGCAGAGCTAACACCTGAGCTGTTAAAGATCCTGCATTCTCAGCAT
GCTCTTCACTAGGATTTGCAAAGGTAAGTCCACACAGAGCCATCTTTACCTTCCTAACA
CCCCCTCCGCCCCCTTGCCATGTGCTGGGAGATGTGGACCTGGCCTGGGGACAGGGTGTT
TCTCAGGGCCTTGCTCAACTTCTCCACAACCTCTGTGTTGTGTCTGTCCCCTGCCCTG
CAGGTTGCTGGCAGACTGATCATCCGTGCAGAGGAGCTGGCCAGATGTGGAAAGTGGT
AATCTCCAACAGATCTGTTAATAGTGTGATGAATGTGGGTCGCTTCACGGAGGAGATC
GAGTGGCTGAAGTTTTAGCCCTTGCTTGACGCGCTCTGGGAGTTACTATTACAAAAC
CTCAAGATAGTGTGAGGTCTTATCATGTGACCACAATGGTGGGTTGCCCGAATCCCA
TTCAGCACCTCCAGTTTCTCTACAGTATATTGCCGAAGTGGATGGGGAGATCTGTGCA
TCACATGTCAGCAGGATGCTAACTACATTGAACAGGAAGTAATTGGTCCTGATGGTTTA
ATCACGGTGAATGACTTTACCCAAAACCCAGGGTTTGGCTGGAGTAACAGCACAAATTT
GGCAATTTTAAAGGAAGATACAGAGGTGATTGTAATTCAGAATGATAAACCCATATACCA
CCTAAAATCAATTTTCTGTACAACCTGGTACACACTAATAAACAAACATGTGAGATCAGA
AAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC015413 unedited GTTAGCTTTTGTATACGACTTATATAGGCGGCCGCGACTTCCCGGGCTATCGTCGACCCA CGCGTCCGGCTTTGTGTAAGTGGCAGAGCTAACACCTGAGCTGTTAAAGATCCTGCATT CTCAGCATGCTCTTCACTAGGATTTGCAAAGGTAAGTCCACACAGAGCCATCTTTACCT TCCTAACACCCCTCCCGCCCTTGCCATGTGCTGGGAGATGTGGACCTGGCCTGGGGAC AGGGTGTCTCATGGCCTTGTCTCAACTTCTCCACAACCTCTGTGTTGTCTGTCCC CTGCCCTGCATGTTGCTGGCAGACTGATCATCCGTGCAGAGGAGCTGGCCAGATGTGGA AAGTGGTGAATCTCCAACAGATCTGTTAATAGTGTGATGAATGTGGTTCGCTTACGG AGGAGATCGAGTGGCTGAAGTTTTAGCCCTTGCTTGCAGCGCTCTGGGAGTTACTATTA CCAAAACCTCAAGATAGTGTGAGGTCTTATCATGTGACCACAATGGTGGTTGCCCC GAATCCCATTGACACCTTCCAGTTTCTACACGTATATTGCCGAAGTGGATGGGGAGA TCTGTGCATCACATGTCAGCAGGATGCTAAACTACATTGAACAGGAAGTAATTGGTCTG ATGTTTTAAATCACGTGAATGACTTTACCCAAAACCCAGGGTTGGCTGGAGTAACATG CACATTGGCAATTTAAAGGAAGTACAGAGGTGATTGTACTTCAGATGATAAACCATAT ACACCTAAATCAATTTTCTGTACAACCTGGTACACACTATAAACAACTGTGAGATCAGAA AAAAAAAAAAAAAGGGCGGCCCGCTCATAGCTGTTNNCCGAACAGATCCGGNTGGCATC CCTGTGACCCCTCCAATGCCTCTC
Restriction Sites:	Please inquire
ACCN:	BC015413
Insert Size:	796 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:	<ol style="list-style-type: none"> 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:	BC015413.1 , AAH15413.1
RefSeq Size:	796 bp
Locus ID:	152015
Cytogenetics:	3q21.2
Protein Families:	Druggable Genome
Gene Summary:	Important for male fertility. With ROPN1L, involved in fibrous sheath integrity and sperm motility, plays a role in PKA-dependent signaling processes required for spermatozoa capacitation.[UniProtKB/Swiss-Prot Function]