

## Product datasheet for SC301635

### ROPN1B (NM\_001012337) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ROPN1B (NM_001012337) Human Untagged Clone
Tag:	Tag Free
Symbol:	ROPN1B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC301635 representing NM_001012337. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTCAGACAGATAAGCCAACATGCATCCCGCCGGAGCTGCCGAAATGCTGAAGGAGTTTGCCAAA
GCCGCCATTCGGGCGCAGCCGACAGACCTCATCCAGTGGGGGGCCGATTATTTGAGGCCGTGCCCGT
GGAGAGACGCCTCCGGTGAGAGAGCGGTCTGAGCGAGTCGCTTTGTGTAAGTGGGAGAGCTAACACCT
GAGCTGTTAAAGATCCTGCATTCAGGTTGCTGGCAGACTGATCATCCGTGCAGAGGAGCTGGCCAG
ATGTGAAAGTGGTGAATCTCCCAACAGATCTGTTAATAGTGTGATGAATGTGGTTCGCTTCACGGAG
GAGATCGAGTGGCTGAAGTTTTAGCCCTTGCTTGCAGCGCTCTGGGAGTTACTATTACCAAACTCTC
AAGATAGTGTGAGGTCTTATCATGTGACCACAATGGTGGTTGCCCGAATCCCATTCAGCACCTTC
CAGTTTCTACACGTATATTGCCGAAGTGGATGGGAGATCTGTGCATCACATGTCAGCAGGATGCTA
AACTACATTGAACAGGAAGTAATTGGTCTGATGGTTAATCACGGTGAATGACTTTACCAAAAACCC
AGGTTTTGGCTGGAGTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001012337
Insert Size:	639 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).



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<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<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>
<b>RefSeq:</b>	<u><a href="#">NM_001012337.2</a></u>
<b>RefSeq Size:</b>	1054 bp
<b>RefSeq ORF:</b>	639 bp
<b>Locus ID:</b>	152015
<b>UniProt ID:</b>	<u><a href="#">Q9BZX4</a></u>
<b>Cytogenetics:</b>	3q21.2
<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	24 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein.</p>