

Product datasheet for **SC304488**

ROPNI (NM_017578) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	ROPNI
Synonyms:	CT9I; ODF6; RHPNAPI; ROPNIA; ropporin
Mammalian Cell	None
Selection:	
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_017578 edited
 GAGGCTGGGTGACCTCCTGTCCAGGATTGCTCTCATCGTATGAATCGAAGTTTTTCATCTT
 AACGTATTTTTTCTCCTGAGAATAGGCCAACCAATCAATGGCTCAGACAGATAAGCCAA
 CATGCATCCCGCCGGAGCTGCCGAAGATGCTGAAGGAGTTTGCCAAAGCCGCCATTAGGG
 TGCAGCCCGCAGGACCTCATCCAGTGGGCAGCCGATTATTTTGAGGCCCTGTCCCGTGGAG
 AGACGCCTCCGGTGAGAGAGCGGTCTGAGCGAGTCGCTTTGTGAACCGGCAGAGCTAA
 CACCTGAGCTGTTAAAGATCCTGCATTCTCAGGTTGCTGGCAGACTGATCATCCGTGCAG
 AGGAGCTGGCCAGATGTGAAAGTGGTGAATCTCCCAACAGATCTGTTTAATAGTGTGA
 TGAATGTGGGTCGCTTCACGGAGGAGATCGAGTGGCTGAAGTTTTAGCCCTTGCTTGCA
 GCGCTCTGGGAGTTACTATTACCAAACTCTCAAGATAGTGTGTGAGGTCTTATCATGTG
 ACCATAATGGTGGGTCGCCCCGGATCCCGTTCAGCACCTTCCAGTTTCTCTACAGTATA
 TTGCCAAAGTGGATGGGAGATCTCTGCATCACATGTCAGCAGGATGCTAAACTACATGG
 AACAGGAAGTAATTGGCCCTGATGGTATAATCACAGTGAATGACTTTACCCAAAACCCCA
 GGGTTCAGCTGGAGTAAAGCACAAATTTGGCAATTTTAAAGGAAGATACAGAGATGATT
 GTACTTCAGAATGACTGAAACCCATATACCACCCAAAATCCA

Restriction Sites:	Please inquire
ACCN:	NM_017578
Insert Size:	800 bp



OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_017578.2.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_017578.2 , NP_060048.2
RefSeq Size:	1112 bp
RefSeq ORF:	639 bp
Locus ID:	54763
UniProt ID:	Q9HAT0
Cytogenetics:	3q21.1
Protein Families:	Druggable Genome

Gene Summary:

The protein encoded by this gene is found in the fibrous sheath of spermatazoa, where it interacts with rhophilin, a Rho GTPase binding protein. The encoded protein also can bind an A-kinase anchoring protein (AKAP110) and a calcium-binding tyrosine phosphorylation-regulated protein (CABYR). This protein may be involved in sperm motility and has been shown to be a cancer-testis antigen in hematologic malignancies. Several transcript variants, some protein-coding and some non-protein coding, have been found for this gene. [provided by RefSeq, Dec 2015]

Transcript Variant: This variant (1) encodes the longer isoform (α). Variants 1 and 2 both encode the same isoform (α).