

Product datasheet for MC205115

Ropn1 (NM_030744) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Ropn1
Synonyms:	1700008N2IRik; ODF6; RHPNAPI; ropporin; Rppn
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC049544 ACAGTAAGTAAGTGGAGGGGAATCTGGCCTGACCTTCTCCTCTGTGTTGGACATTTCTGCAAAGGTCAA GCGATCAATGCCTCAGACAGACAAGCAAGTATGCATCCCACGGAGCTGCCGGAATTGCTGAAGCAGTTT ACCAAAGATGCCATTTCGGACCCAGCCTCCTGATCTCATACAGTGGGCAGCCGAATTTTCGGAGCCATGT CCCGTGGAGAGATTCTCCAGTGAGAGAGAGGTCTGAACAAATCCCTTTGTCCAACCTGGGCTGAGCTGAC ACCTGAGCTGCTGAAGGTCTGCATTCTCGGGTTGCTGGCAGACTGATCATCCACGCAGATGAGCTGGCC CAGATGTGGAAGGTGCTGAATCTCCCCACGGACCTGTTTAAACAGTGTGATGAACGTGGGTCGCTTCACAG AGGAGATCGAGTGGCTGAAGTTTTAGCCCTTGCTTGTAGCTCTCTTGGAGTTACCATTGCCAAAACCTCT CAAGATAGTGTGTGAAGTTTTATCCTCCGACCATGATGGAGGACCACCCGGATTCTTTTCAGCACCTTC CAGTTTCTGTACACGTATATCGCTGAAGTGGATGGGGAATCTCTTCATCCCACGTTAGCAGGATGTTAA ACTACATTGAACAGGAAGTAATTGGTCCTGATGGCTTAATCAAGGTGAATGACTTTACTCAAAACCCCTAG GGTTCGGCTGGAATAAAAGCACAATTTTGCAATTTTAAAGGAAGATACAGAGGTGGCTGTACTTCAGAA TAGCTGAACACCATGCACCATCTAAAGTCAATTTCTTTTACGACTGGTACAATAATAACAATTAGCC AGGAA AA AA
Restriction Sites:	Sfil-Sfil
ACCN:	NM_030744
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).
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	BC049544 , AAH49544
RefSeq Size:	1030 bp
RefSeq ORF:	639 bp
Locus ID:	76378
UniProt ID:	Q9ESG2
Cytogenetics:	16 B3
Gene Summary:	Important for male fertility. With ROPNIL, involved in fibrous sheath integrity and sperm motility, plays a role in PKA-dependent signaling processes required for spermatozoa capacitation. [UniProtKB/Swiss-Prot Function]