

Product datasheet for **RN212538**

Ola1 (NM_001033927) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ola1 (NM_001033927) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ola1
Synonyms:	PTD004; RGD1307982
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN212538 representing NM_001033927 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCCCCGAAAAAGGGAGGAGATGGACTTAAACCGCCTCCGATCATTGGAAGGTTTGGAACTCACTGA
AAATTGGTATTGTTGGATTGCCAAATGTTGGGAAGTCTACCTTCTTCAATGTGTTAACCAATAGTCAGGC
CTCAGCAGAAAACTTCCTTTCTGCACTATTGACCCTAACGAGAGCAGAGTGCCTGTGCCAGACGAGAGG
TTTGACTTCCTTTGCCAGTGTCAAGCCAGCAAGCAAGATTCCTGCTTCCTTAATGTAGTGGATATTG
CTGGCCTTGTAAGGAGCTCACAATGGGCAGGGTTTGGGAATGCCTTTTATCTCATATTAGTGCCTG
TGATGGGATTTTTCATCTAACGCGTGCTTTGAAGATGATGATATCACACACGTTGAAGGAAGTGTAGAT
CCCATTGAGATATAGAAATCATTATGAAGAGCTTCAGCTGAAAGATGAGGAAATGATTGGGCCCATTA
TAGATAAACTAGAGAAGGTGGCCGTGAGAGGCGGTGATAAGAACTAAAGCCGAATATGACATAATGTG
CAAAGTCAAGTCTTGGGTTATAGATCAAAGAAACCTGTTGCTTCTATCATGACTGGAATGACAAGGAG
ATTGAAGTGTGAATAAACACTTACTTTTGACTTCCAAACCAATGGTCTACTTGGTGAACCTTTCAGAAA
AAGACTACATAAGAAAGAAAAACAAGTGGTTGATAAAATTAAGAGTGGGTGGACAAGTCTGACCCAGG
CGCCTTGGTCATTCTTTTAGTGGGGCCTTGGAACTCAAGTTGCAAGAATTGAGTGCTGAGGAGAGACAG
AAGTATCTGGAAGCGAACATGACACAAAGTGCTCTGCCAAAGATCATTAAAGCTGGATTTGCAGCACTCC
AACTAGAATACTTTTCACTGCAGGCCAGATGAAGTGCCTGCGTGGACCATCAGGAAAGGAACGAAGGC
TCCTCAGGCTGCAGGAAAGATTACACCGATTTTGAAGGGGATTATTATGGCAGAAGTAATGAAGTAC
GACGACTTTAAAGATGAGGGCTCTGAGAATGCAGTCAAGGCTGCTGAAAATACAGACAGCAAGGAGGA
ATTATATTGTTGAAGATGGAGATATTATCTTCTCAAATTTAATACACCTCAGCAATCAAAAAAGAAATA
A

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-RsrII
ACCN:	NM_001033927
Insert Size:	1191 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>NM_001033927.1, NP_001029099.1</u>
RefSeq Size:	1702 bp
RefSeq ORF:	1191 bp
Locus ID:	296488
UniProt ID:	<u>A0JPI7</u>
Cytogenetics:	3q23
Gene Summary:	Hydrolyzes ATP, and can also hydrolyze GTP with lower efficiency. Has lower affinity for GTP. [UniProtKB/Swiss-Prot Function]