

Product datasheet for **RG203051**

ORMDL2 (NM_014182) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ORMDL2 (NM_014182) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: ORMDL2
Synonyms: adoplin-2; HSPC160; MST095; MSTP095
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG203051 representing NM_014182
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAATGTGGGGTGGCACACAGCGAAGTAAACCCCAACACCCGAGTGATGAATAGCCGAGGCATCTGGC
 TGGCCTACATCATCTTGGTAGGATTGCTGCATATGGTTCTACTCAGCATCCCCTTCTTCAGCATTCTGT
 TGTCTGGACCTGACCAACGTCATCCATAACCTGGCTACGTATGTCTTCCTTCATACGGTAAAGGGACA
 CCCTTTGAGACTCCTGACCAAGGAAAGGCCGGCTACTGACACACTGGGAGCAAATGGACTATGGGCTCC
 AGTTTACCTCTTCCGCAAGTTCCTCAGCATCTCTCTATTGTGCTCTATCTCTGGCCAGCTTCTATAC
 CAAGTATGATGCTGCGCACTTCTCATCAACACAGCCTCATTGCTAAGTGTACTGCTGCCGAAGTTGCC
 CAGTTCATGGGGTTCGTGTCTTTGGCATCAACAAATAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG203051 representing NM_014182
 Red=Cloning site Green=Tags(s)

MNVGVAHSEVNPNTVMNSRGIWLAYIILVGLLHMVLLSIPFFSIPVVWTLTNVIHNLATYVFLHTVKGT
 PFETPDQ GKARLLTHWEQMDYGLQFTSSRKFLSISPIVLYLLASFYTKYDAAHFLINTASLLSVLLPKLP
 QFHGVRVFGINKY

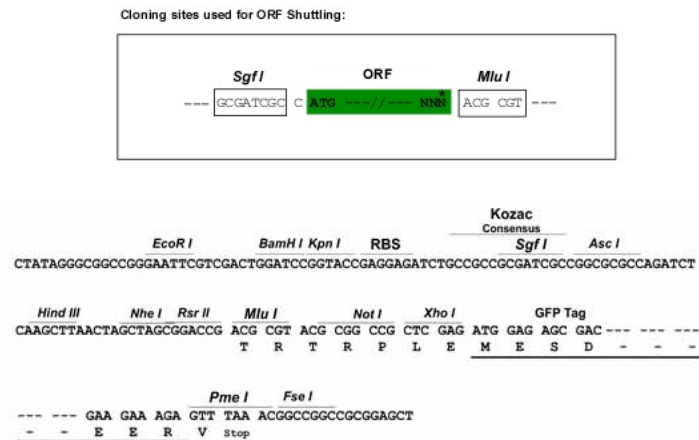
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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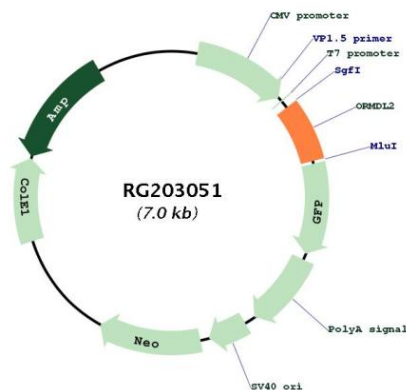
Cloning Scheme:



ACCN:	NM_014182
ORF Size:	459 bp
OTI Disclaimer:	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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_014182.3 , NP_054901.1
RefSeq Size:	1271 bp
RefSeq ORF:	462 bp

Locus ID:	29095
UniProt ID:	Q53FV1
Cytogenetics:	12q13.2
Domains:	ORMDL
Protein Families:	Transmembrane
Gene Summary:	Negative regulator of sphingolipid synthesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG203051