

Product datasheet for **RG202279**

ORMDL3 (NM_139280) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ORMDL3 (NM_139280) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: ORMDL3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG202279 representing NM_139280
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAATGTGGGCACAGCGCACAGCGAGGTGAACCCCAACACGCGGGTGATGAACAGCCGTGGCATCTGGC
TCTCTACGTGCTGGCCATCGGTCTCCTCCACATCGTGTCTGTGAGCATCCCGTTTGAGTGTCCTGT
CGTCTGGACCCCTACCAACCTCATTCAACATGGGCATGTATATCTTCTGCACACGGTGAAGGGGACA
CCCTTTGAGACCCCGGACCAGGGCAAGGGCAGGCTGCTAACCCACTGGGAGCAGATGGATTATGGGGTCC
AGTTCACGGCCTCTCGGAAGTCTTGACCATCACACCCATCGTGTCTGTACTTCTCACCAGCTTCTACAC
TAAGTACGACCAGATCCATTTTGTGCTCAACACCGTGTCCCTGATGAGCGTGCTTATCCCAAGCTGCC
CAGCTCCACGGAGTCCGGATTTTGAATCAATAAGTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG202279 representing NM_139280
Red=Cloning site Green=Tags(s)

MNVGTAHSEVNPNTVMNSRGIWLSYVLAIGLLHIVLLSIPFVSVPVVWTLNLIHNMGYIFLHTVKGT
PFETPDQ GKARLLTHWEQMDYGVQFTASRKFLTITPIVLYFLTSFYTKYDQIHFV LNTVLSMSVLIPKLP
QLHGVRIFGINKY

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_139280

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.

RefSeq: [NM_139280.4](#)

RefSeq Size: 2109 bp

RefSeq ORF: 462 bp

Locus ID: 94103

UniProt ID: [Q8N138](#)
Cytogenetics: 17q21.1
Protein Families: Transmembrane
Gene Summary: Negative regulator of sphingolipid synthesis. May indirectly regulate endoplasmic reticulum-mediated Ca(+2) signaling.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG202279