

Product datasheet for MR216257

Ormdl1 (NM_145517) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ormdl1 (NM_145517) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ormdl1
Synonyms: C730042F17Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR216257 representing NM_145517
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAATGTTGGAGTTGCCACAGTGAGGTAACCCCAATACTCGTGAATGAACAGCCGTGGTATGTGGC
 TGACATATGCGTTGGGAGTTGGCCTGCTTCATATTGTATTACTCAGCATCCCCTTCTGCAGTGTTCTGT
 TGCCTGGACCTTAACCAACATAATACATAATCTGGGGATGTATGTGTTTTGCATGCAGTAAAGGAACG
 CCTTTTGAGACTCCGGATCAGGGTAGAGCAAGGCTCCTAACTACTGGGAACAGCTGGACTACGGAGTAC
 AGTTTACATCTTCTCGGAAGTTTTTCACAATTTCTCCAATAATTCTATACTTTCTGGCAAGTTTCTATAC
 AAAGTATGACCCGACTCACTTCATCCTAAACACAGCTTCTCTGCTGAGTGTACTTATCCAAAATGCCA
 CAGCTGCATGGTTCGCATCTTTGGAATTAATAAGTAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR216257 representing NM_145517
 Red=Cloning site Green=Tags(s)

MNVGVAHSEVNPNTVMNSRGMWLTALGVGLLHIVLLSIPFCSVPVAWTLNIIHNLGMYVFLHAVKGT
 PFETPDQGRARLLTHWEQLDYGQFTSSRKFFITSPIILYFLASFYTKYDPTHFILNTASLLSVLIPKMP
 QLHGVRIFGINKY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9028_d06.zip



[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_145517

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_145517.4](#), [NP_663492.3](#)

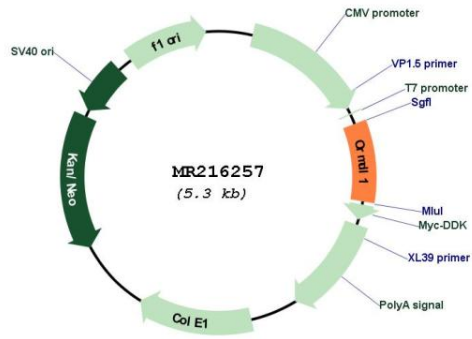
RefSeq Size: 1849 bp

RefSeq ORF: 462 bp

Locus ID: 227102

UniProt ID: [Q92110](#)
 Cytogenetics: 1 C1.1
 MW: 17.8 kDa
 Gene Summary: Negative regulator of sphingolipid synthesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216257