

Product datasheet for MR201119

Ormdl2 (NM_024180) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ormdl2 (NM_024180) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ormdl2
Synonyms: 0610012C09Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201119 representing NM_024180
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATCCGTCCTCGGTGCCCCATCCGCTCCCGCCAGGGCAGCAAGTCATCCACGTCACGCAGGACC
TGGACACCGACCTCGAAGCCCTTTCAACTCTGTCATGAACCCCAAGCCAGCTCATGGCGGAAAAAGAT
CCTCCCGAGTCCTTCTTAAGGAGCCGATTCCGGCTCGCACTCGGCCAATCCAGCACAGACTCATCA
GGCGGCCACCCGGGCCCTCGACTAGCTGGCGGCGCAGCACGTCGGCTCGCACTCGTCCGCCATCCC
TGCAGCTGGGCACCGGTGCGGGAGCCGCTGGAGGCCCTGCACAGCAGCATGCACATCTCCGCCAGCAGTC
CTATGACGTGACCGACGAGCTGCCGTTGCCCCCGGGTGGGAGATGACCTTCACGGCCACTGGCCAGAGA
TACTTCCTTAATCACATAGAGAAAATCACCATGGCAAGACCCAGGAAGGTGATGAATCAGCCTCTGA
ATCATGTGAACCTCCACCCGTCCATCACTTCCACCTCGGTGCCACAGAGGTCCATGGCAGTGTCCCAGCC
GAATCTCGCAATGAATCACCAACACCAGCAAGTCGTGGCCACTAGCCTGAGTCCACAGAACCACCCGACT
CAGAACCAACCCACAGGGCTCATGAGTGTGCCAATGCACTGACCACTCAGCAGCAGCAGCAGAGAAAC
TGCGGCTTCAGAGGATCCAGATGGAGAGAGAGAGGATTAGGATGCGTCAAGAGGAGCTCATGAGGCAGGA
AGCTGCCCTCTGCCGACAGCTCCCCATGGAAACCGAGACCATGGCCCTGTCAACACGCCCTGCCATGAGC
ACAGATAGAGATCTGTACCAACAGTAGCTCAGATCCTTTCTCAATGGAGGGCCCTATCATTACCGGG
AGCAGAGCACAGACAGTGGCCTGGGTTAGGGTGTACAGTGTCCCACTCCAGAAAGACTTCCCTCAG
CAACATGGACGAGATGGATACAGGTGAAAATTCGGTCAGACACCCATGACCGTCAATCCCAGCAGACC
CGCTTCCCTGATTTCTGGACTGCCTTCCAGGAACAAATGTTGACCTCGGGACTTTGGAGTCTGAAGATC
TGATCCCTCTTCAATGATGTAGAGTCTGCTCTGAACAAAAGCGAGCCCTTTCTAACCTGGCTG

ACGGTACGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR201119 representing NM_024180
Red=Cloning site Green=Tags(s)

MNPSSVPHPLPPPQQVIHVTQDLDTDLEALFNSVMNPKPSSWRKKILPESFFKEPDSGSHSRQSSTDSS
 GGHPGPRLAGGAQHVRSHSPASLQLGTGAGAAGGPAQQHAHLRQQSYDVTDELPLPPGWEMTFTATGQR
 YFLNHIEKITTWQDPRKVMNQPLNHVNLHPSITSTVSPQRSMVSPQNLAMNHQHQQVVATSLSPQNHPT
 QNQPTGLMSVPNALTTQQQQQKLRLQRIQMERERIRMRQEELMRQEAALCRQLPMETETMAPVNTPAMS
 TDMRSVTNSSDPFLNGGPHYHSREQSTDSGLGLGCYSVPTTPEDFLSNMDEMGTGENSGQTPMTVNPQQT
 RFPDFLDCLPGTNVDLGTLESEDLIPLFNDVESALNKSEPFLTWL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_024180

ORF Size: 462 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_024180.6](#)

RefSeq Size: 2055 bp

RefSeq ORF: 462 bp

Locus ID: 66844

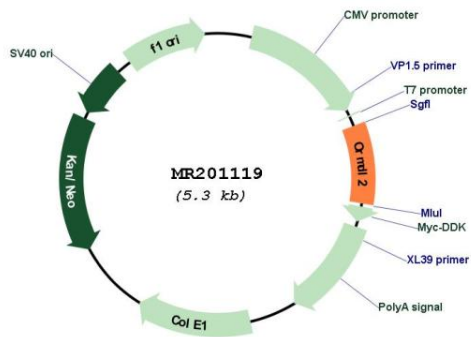
UniProt ID: [Q9CQZ0](#)

Cytogenetics: 10 D3

MW: 17.4 kDa

Gene Summary: Negative regulator of sphingolipid synthesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR201119