

Product datasheet for MR218213

Raly (NM_001139513) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Raly (NM_001139513) Mouse Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Raly
 Synonyms: A1663842; Merc
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >MR218213 representing NM_001139513
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCTTGAAGATTGAGACCAGCAATGTAACCAACAAGAATGACCCTAAGTCCATCAACTCTCGGGTCT
 TCATCGGAAATCTAAACACAGCTGTGGTGAAGAAGTCAGATGTGGAGACCATCTTTCCAAGTACGGCCG
 AGTGGCTGGTTGCTCTGTGCACAAAGGCTATGCTTTGTCCAGTATGCCAATGAGCGCCATGCCCGGCA
 GCTGTGCTGGGAGAGAATGGGCGGGTGTGGCTGGACAGACCCTGGACATCAACATGGCTGGAGAGCCCA
 AGCCTAATAGACCAAGGGGCTAAAGAGAGCAGCAACTGCCATCTACAGTGGCTACAGCTTGACTATGA
 TTAACACCAAGACTACTTCTGTGCCAGGCTGTTTGATTATCGAGGCCGCCTTTCTCCAGTGCCTGTGCC
 AGGGCAGTTCCGGTGAAGCGACCCCGTGTACAGTCCCTTTGGTTCGCCGTGTCAAACTACGATACCTG
 TCAAGCTCTTTGCCCGCTCCACAGCTGTCACTACTGGCTCAGCCAAAATCAAGTTAAAGAGCAGTGAGCT
 ACAGACCATCAAAACAGAGCTGACACAGATCAAGTCCAACATCGATGCCCTGTTGGGTCGCTTGGAAACAG
 ATTGCTGAGGAACAGAAGGCCAACCAGATGGCAAGAAGAAGGGTGACAGCAGCAGTGGTGGAGGAGGAG
 GCAGCAGTGGTGGAGGCGGCAGTAGCAATGTTGGTGGTGGCAGCAGCGGCGGCAGCGGGAGCTGCAGCAG
 CAGCAGCCGGCTACCAGCGCCCCAAGAAGACACGGCTTCTGAGGCAGGCACCCCCAAGGAGAAGTCCAA
 ACTCGAGATGATGGTGTGAGGAGGGACTGCTAACACATAGCGAGGAGGAGCTGGAGCACAGCCAGGACA
 CAGATGCAGAAGATGGAGCCTTGACAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR218213 representing NM_001139513
 Red=Cloning site Green=Tags(s)

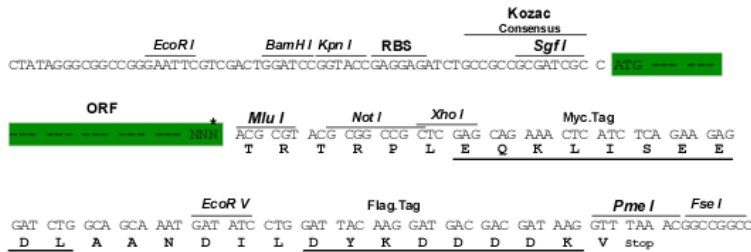
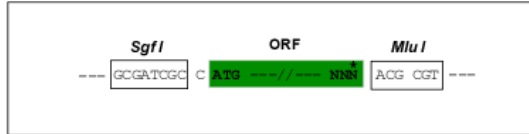
MSLKIQTSNVTNKNDPKSINSRVFIGNLNTAVVKKSDVETIFSKYGRVAGCSVHKGYAFVQYANERHARA
 AVLGENGRVLAGQTLDINMAGEPKPNRPKGLKRAATAIYSGYSFDYDYQDYFCARLFDYRGR LSPVPVP
 RAVPVKRPRVTVPLVRRVKTTIPVKLFARSTAVTTGSAKIKLKSSSELQTIKTELQIKSNIDALLGRLEQ
 IAEEQKANPDGKKKGDSSSGGGGSSGGGGSSGGGGSSGGSGSGSCSSSRLPAPQEDTASEAGTPQGEVQ
 TRDDGDEEGLLTHSEEELEHSQDTDAEDGALQ

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_001139513

ORF Size: 936 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_001139513.1](#), [NP_001132985.1](#)

RefSeq Size: 1759 bp

RefSeq ORF: 939 bp

Locus ID: 19383

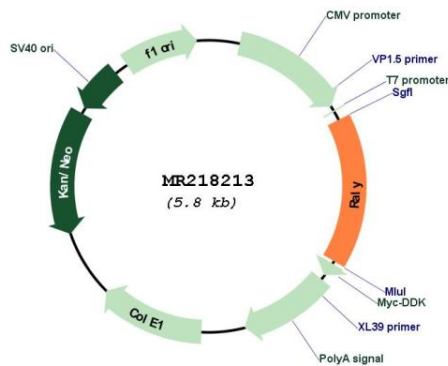
UniProt ID: [Q64012](#)

Cytogenetics: 2 76.83 cM

MW: 33.6 kDa

Gene Summary: RNA-binding protein that acts as a transcriptional cofactor for cholesterol biosynthetic genes in the liver (PubMed:27251289). Binds the lipid-responsive non-coding RNA LeXis and is required for LeXis-mediated effect on cholesterologenesis (PubMed:27251289). May be a heterogeneous nuclear ribonucleoprotein (hnRNP) (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR218213