

Product datasheet for **MR200536**

1810054D07Rik (BC020085) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: 1810054D07Rik (BC020085) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: 1810054D07Rik
Synonyms: RP23-17O21.2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR200536 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGAACCTGAAATATAATGTAAGGGCACATCAGACTTTATCATCATGGAAGATAGACTTCACACTG
 AATGGTCTCTCTGACCTGGACAGCCTTTCACATGGGGAACAATTTAAATCCATCCCAATCCATTCTAA
 AACCTATTGCTGCAGGAAGAAGCAGCAAGAAGAGCTTCTGTGTATTGAGGTGGCTGAGCAGGTTCTT
 AGCCTTAACCATGCAGAAGAAGGATTCTGGATGCAGCCCATCCCTTCTAATTGCACTGTGTACAGTG
 ACAGAGTCAGCACAGTATTGCTGCGACAGGACTTGTGTGCAAAGATCAAAGCAGCTGCCTCACTGTGTT
 TAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200536 protein sequence
 Red=Cloning site Green=Tags(s)

MLNLKYNVKGTSDFIIMEDRLHTEWSSLTWTAFHMGNNLNPSQSISKTSLLQEEAARRALLCIEVAEQVL
 SLNHAEEGFVDAAPSPSNCTVYSDRVSTVLLRQDFVCKDQSSCLTVFK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: BC020085

ORF Size: 354 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: [BC020085](#), [AAH20085](#)

RefSeq Size: 641 bp

RefSeq ORF: 356 bp

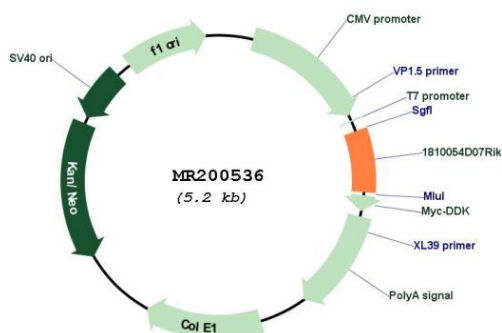
Locus ID: 69863

Cytogenetics: 4 C3

MW: 13.2 kDa

Gene Summary: Regulates high density lipoprotein (HDL) cholesterol metabolism by promoting the ubiquitination and degradation of the oxysterols receptors LXR (NR1H2 and NR1H3). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR200536