

Product datasheet for **MC201418**

MacroD2 (NM_028387) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: MacroD2 (NM_028387) Mouse Untagged Clone
Tag: Tag Free
Symbol: MacroD2
Synonyms: 1110033L15Rik; 2610107G07Rik; 2900006F19Rik
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC038317 sequence for NM_028387
 CGAGGGAGGAGGGCGGCGACGGGCCAGCGGCTAGCGGCGCGGGACGCAGAGCCTTTGCACTTTTCCCTCC
 CGAGTGTCCCCTCCATCCACCCCCACACTCCACACACCCTGTTTGCCCGTGAGCCTGGGAACTTGCAG
 CTTAAAGCCAGCCACCCACGGCAGCATGTACCCAGCAACAAGAAGAAAAAGGTGTGGAGAGAGGAGA
 AAGAACGTTTGCTGAAGATGACCTTAGAGGAGAGACGCAAGAATACATAAGGGACTATGTTTCTCTGAG
 CACCATTCTATCATGGAAGGAAGAGATGAAGAGCAAAGGCCAAAAATGATGGATGCATCCCTAATGGTTGG
 AGAAATGGTGGAGAATGTCATGGGAGAGAGCACCTGCAGATCCTTGCCTGAGACGGTTATGGAAAGAAAG
 TCTTACAGCTTGGGCAATAGGAAAAGAGGCCCTTATCTGATCTTGTTCAGTCCATTTTGAATCAAG
 AAAGACTCATTGAAGACTCCTTGAGAAGAGTCTGTTTTGAAGAAGAAAAACAGACAAAAAGGGTGGGCG
 AGAGAGTGAACCTCCTGAAGCAAACAGACAAGAAGGGTGGGAGACACATGCAGTTTTGTTGCGTGTCTA
 ACTAACACTGACCTTCTGGAGTCAACATTGAGAAGTGAAGGTATTAACCTTAAAAATGACTGAATTT
 TGTGAGTTTTAAAGAAAATGCAGGTCTTCTAGTGTGGACAGGCAACTGGACTTCAGATCTCAGACTATG
 TCTCTCTACTGGCTGTAGCCATCAGTCTTAAACATCCAGCGCAGTACTTTGCCTTCATGAATGGTGGCAG
 CTGACTATCTTTTTCAGCAAAGCTTCCAAGATGAATAAAATAGTGTCTGCCAAAACCTAAAACATACAGTC
 TGTGTGTTTATCACTAGACCTTTGTAATGTATTCTCTTGCATTTAAAAATTTTATGGTGCTTAACCTTA
 ATTGTGATTTTTTGTCAATAAATAACTTTTCAAAGAAAAA

Restriction Sites: EcoRI-NotI

ACCN: NM_028387

Insert Size: 345 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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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:	<ol style="list-style-type: none">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:	<u>BC038317</u> , <u>AAH38317</u>
RefSeq Size:	1035 bp
RefSeq ORF:	345 bp
Locus ID:	72899
Cytogenetics:	2 F3-G1
Gene Summary:	Removes ADP-ribose from asparatate and glutamate residues in proteins bearing a single ADP-ribose moiety. Inactive towards proteins bearing poly-ADP-ribose. Deacetylates O-acetyl-ADP ribose, a signaling molecule generated by the deacetylation of acetylated lysine residues in histones and other proteins.[UniProtKB/Swiss-Prot Function]