

Product datasheet for **SC302699**

MACROD2 (NM_080676) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MACROD2 (NM_080676) Human Untagged Clone
Tag:	Tag Free
Symbol:	MACROD2
Synonyms:	C2orf133; C20orf133
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_080676 edited
 ATGTACCCAGCAACAAGAAGAAAAAGGTGTGGAGAGAGGAAAGAACGTTTATTGAAG
 ATGACCTTAGAAGAGAGACGCAAGAATACCTAAGAGACTATATCCCTGAACAGCATT
 CTGTCATGGAAGGAGAGATGAAGGGCAAGGGCCAAAATGATGAAGAAAATACTCAGGAA
 ACATCCCAGGTGAAGAAAAGTTTGACTGAAAAAGTTTCTCTATAGAGGTGACATCACA
 TTGCTAGAGGTAGATGCTATAGTCAATGCCGAAATGCCAGTCTTCTTGAGGAGGAGGT
 GTGGATGGCTGTATTCATAGAGCAGCCGGCCCCTGTTTGCTAGCTGAATGTCGTAACTG
 AATGGCTGTGATACTGGACATGCAAAAATCACATGTGGCTATGACCTTCTGCAAAATAT
 GTCATCCATACTGTAGGGCCAATAGCCAGGGGCCATTAATGGTTCCCACAAGGAAGAC
 CTTGCAAATTGCTATAAATCATCTCTGAAGCTCGTGAAAGAAAATAACATCCGATCAGTT
 GCATTTCCCTGCATCTCAACAGGCATTTATGGCTTTCCCAACGAGCCTGCTGCAGTCATT
 GCCCTCAACACCATTAAGGAATGGCTTGCCAAGAATCACCATGAGGTGGATCGGATCATT
 TTCTGTGTCTTCTTAGAAGTTGACTTCAAAATCTACAAAAGAAAATGAATGAGTTTTTC
 TCCGTAGACGATAATAATGAAGAAGAAGAGGATGTTGAAATGAAAGAAGATTCAGATGAG
 AACGGTCCAGAGGAGAAGCAAAGTGTGGAAGAAATGGAAGAGCAGAGCCAAGATGCAGAT
 GGTGTCAACACTGTCACTGTGCCGGCCCTGCTTCAGAAGAGGCAGTTGAAGACTGTAA
 GATGAAGATTTTGCAAAGGATGAAAATATTACAAAAGCGGTGAAGTGACAGATCATTCT
 GTGCGTGACCAAGATCATCCCGATGGACAAGAGAATGATTCAACGAAGAATGAAATAAAA
 ATTGAAACAGAATCGCAGAGCTCATATATGGAACAGAAGAATTTTCATCAAACCAAGAA
 GATGCCGTGATTGTGGCAACCAAGAGTATTCCATTAAACAGAGGACCAAGAAGAAAA
 GAAGGTGAAAAAGCTCCAGGCGAGGACACACCTAGGATGCCTGGGAAAAGTGAAGCTCC
 AGTGACCTAGAAAATACTCCAGGTCTGATGCAGGGGCACAAGATGAAGCGAAGGAACAA
 AGAAATGGAACCTAAATGA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_080676 unedited TAGATTTGTATACGACTCCTATAGGGCGGCCGGAATTCGCCCTTAACATGTACCCAG CAACAAGAAGAAAAGGTGTGGAGAGAGGAGAAAGAACGTTTATTGAAGATGACCTTAGA AGAGAGACGCAAGAATACCTAAGAGACTATATCCCCTGAACAGCATTCTGTCATGGAA GGAGGAGATGAAGGGCAAGGGCCAAAATGATGAAGAAAATACTCAGGAAACATCCCAGGT GAAGAAAAGTTTGACTGAAAAAGTTTCTCTCTATAGAGGTGACATCACATTGCTAGAGGT AGATGCTATAGTCAATGCCGCAAATGCCAGTCTTCTGGAGGAGGAGGTGTGGATGGCTG TATTCATAGAGCAGCCGCCCTGTTTGTAGCTGAATGTCGTAACCTGAATGGCTGTGA TACTGGACATGCAAAAATCACATGTGGCTATGACCTTCCTGCAAAAATATGTCATCCATAC TGTAGGGCCAATAGCCAGGGGCCATATTAATGGTCCCACAAGGAAGACCTTGCAAATTG CTATAAATCATCTCTGAAGCTCGTAAAAGAAAATAACATCCGATCAGTTGCATTTCCCTG CATCTCAACAGGCATTTATGGCTTTCCCAACGAGCCTGCTGCAGTCATTGCCCTCAACAC CATTAAGGAATGGCTTGCCAAGAATCACCATGAGGTGGATCGGATCATTTTCTGTGTCTT CTTAGAAGTTGACTTCAAATCTACAAAAGAAAATGAATGAGTTTTTCTCCGTAGACGA TAATAATGAAGAGAGAGGATGTTGAAATGAAAGAGATTGAGATGAGAACGGTCCAGAGGA GAGCAAAGTGTGGAAGAAATGGAAGAGCAGAGCCAGATGCAGATGGTGTCAACACTGTC ACTGTGCCCGCCCTGCTTCAGAGAGGCAGTTGAAGAAGTAAAGAATGAAGATTTTGC AAGGATGAAATATTTACAAA
Restriction Sites:	Please inquire
ACCN:	NM_080676
Insert Size:	1400 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).
OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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>NM_080676.5</u> , <u>NP_542407.2</u>
RefSeq Size:	4863 bp
RefSeq ORF:	1278 bp
Locus ID:	140733
UniProt ID:	<u>A1Z1Q3</u>
Cytogenetics:	20p12.1

Gene Summary:

The protein encoded by this gene is a deacetylase involved in removing ADP-ribose from mono-ADP-ribosylated proteins. The encoded protein has been shown to translocate from the nucleus to the cytoplasm upon DNA damage. [provided by RefSeq, May 2017]

Transcript Variant: This variant (1) lacks an alternate in-frame exon in the 3' end compared to variant 3. The resulting isoform (1) has the same N- and C-termini but is shorter compared to isoform 3.