

Product datasheet for SC302700

MACROD2 (NM_001033087) Human Untagged Clone

Product data:

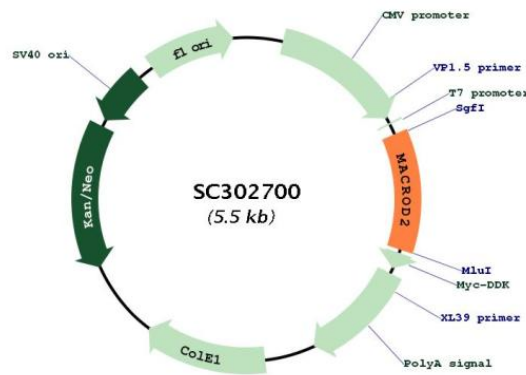
Product Type:	Expression Plasmids
Product Name:	MACROD2 (NM_001033087) Human Untagged Clone
Tag:	Tag Free
Symbol:	MACROD2
Synonyms:	C2orf133; C20orf133
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC302700 representing NM_001033087. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAATGAGTTTTCTCCGTAGACGATAAATGAAGAAGAAGAGGATGTTGAAATGAAAGAAGATTC
GATGAGAACGGTCCAGAGGAGAAGCAAAGTGTGGAAGAAATGGAAGAGCAGAGCCAAGATGCAGATGGT
GTCAACACTGTCACTGTGCCCGCCCTGCTTCAGAAGAGGCAGTTGAAGACTGTAAGATGAAGATTTT
GCAAAGGATGAAAATATTACAAAAGCGGTGAAGTGACAGATCATTCTGTGCGTGACCAAGATCATCCC
GATGGACAAGAGAATGATTCACGAAGAATGAAATAAAAATTGAAACAGAATCGCAGAGCTCATATATG
GAAACAGAAGAAGTTCATCAAACCAAGAAGATGCCGTGATTGTGGAGCAACCAGAAGTATTCCATTA
ACAGAGGACCAAGAAGAAAAGAAGGTGAAAAGCTCCAGGCGAGGACACACCTAGGATGCCTGGGAAA
AGTGAAGGCTCCAGTGACCTAGAAAATACTCCAGGTCCTGATGTTGAAATGAATAGTCAGTTGACAAG
GTAAATGACCCAAGAGAGTCAACAAGAAGATCAACTAATAGCAGGGGCAAGATGAAGCGAAGGAA
CAAAGAAATGGAATAAATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001033087

Insert Size: 642 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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001033087.1](#)

RefSeq Size: 4425 bp

RefSeq ORF: 642 bp

Locus ID: 140733

UniProt ID: [A1Z1Q3](#)

Cytogenetics: 20p12.1

MW: 23.6 kDa

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 (2) differs in the 5' UTR and coding sequence compared to variant 3. The resulting isoform (2) is shorter at the N-terminus compared to isoform 3.