

Product datasheet for **SC122307**

MACROD1 (BC003188) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MACROD1 (BC003188) Human Untagged Clone
Tag:	Tag Free
Symbol:	MACROD1
Synonyms:	LRP16; MACRO domain containing 1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for BC003188 edited
 GTCCCCGGCGTTCCTGGCGTGTTCGGCCGCGTGC CGCGGACCTCGGCGGAGTTGGGG
 CGTGGGGGGCGGCGGCGGTGGGGCGGACAGCCGGGTGCGCACTTGGGCCCCCTGGCCA
 TGGCGGCGAAGGTGGACCTGAGCACCTCCACCGACTGGAAGGAGGCGAAATCCTTTCTGA
 AGGCCTGAGTGACAAGCAGCGGAGGAACATTACTTCTGCAAGGACTTTGTGAGGCTGA
 AGAAGATCCCACATGGAAGGAGATGGCGAAAGGGGTGGCTGTGAAGGTGGAGGAGCCCA
 GGTATAAAAAGGACAAGCAGCTCAATGAGAAAATCTCCCTGCTCCGACGCGACATCACCA
 AGCTGGAGGTGGACGCCATCGTCAACGCCGCCAACAGCTCCCTGCTCGGAGGCGGTGGCG
 TGGACGGCTGCATTCATCGGGCCCGGCCCTGCTTACCGACGAGTCCCGGACCCTGC
 AGAGCTGTAAGACTGGCAAGCCAAGATACCGGCGGCTATCGGCTCCCGCCAAGTACG
 TCATCCACACAGTGGGGCCATCGCTACGGGGAGCCAGCGCCAGTCAAGCTGCCGAGC
 TCCGACGCTGCTACCTGAGCAGTCTGGACCTGCTGCTGGAGCACC GGCTCCGCTCGGTGG
 CGTTCCCTGCATCTCCACCGGCGTGTGGCTACCCCTGTGAGGCGGCCGCGAGATCG
 TGCTGGCCACGCTGCGAGAGTGGCTGGAGCAGCACAAGGACAAGGTGGACCGGCTGATCA
 TCTGCGTGTTCCTCGAGAAGGACGAGGACATCTACCGAGCCGGCTCCCCACTACTTCC
 CCGTGGCTGAGGCTCCCGCAGCCACCCTGACCGGACTGACCCGCCTTCGGGACCCCG
 CTCCCAGCTCTGAGAGTGC CCAAAGCCTGCAGCCTGGCTGGGCTGGCCACCCCTTCT
 TTCCCTCCGCGCCCGCCCGGAGGAGCCTAATAAAGATCTCGTTGTGGCAAAAAAAAAA
 AAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for BC003188 unedited NNAATGTCACTATTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGGTCCCC CGGCGTTCCTGGGCGTGTTCGGCCGCCGTGCGCGGACCTCGGCGGGAGTTGGGGCGTGGG GGGCGGCGGCGGTGGGGCGGACAGCCGGGGTGCCTACTTGGGCCCCCTGGCCATGGCGG CGAAGGTGGACCTGAGCACCTCCACCGACTGGAAGGAGGCGAAATCCTTTCTGAAGGGCC TGAGTGACAAGCAGCGGGAGGAACATTACTTCTGCAAGGACTTTGTCAGGCTGAAGAAGA TCCCGACATGGAAGGAGATGGCGAAAGGGGTGGCTGTGAAGGTGGAGGAGCCAGGTATA AAAAGGACAAGCAGCTCAATGAGAAAATCTCCCTGCTCCGACGACATACCAAGCTGG AGTGAGGACGCCATCGTCAACGCCCAACAGCTCCCTGCTCGGAGGCGGTGGCGTGGACG GCTGCATTATCGGGCCCGGCCCTGCTTACCGACGAGTGCCGGACCTGCAGAGCT GTAAGACTGGCAAGGCCAAGATCACCGCGGCTATCGGCTCCCGCCAAGTACGTCATCC ACACAGTGGGGCCATCGCTACGGGGAGCCAGCGCCAGTCAGGCTGCCGAGCTCCGCA GCTGCTACCTGAGCAGTCTGGACCTGCTGCTGGAGCACCGGCTCCGCTCGGTGGCGTTCC CCTGCATCTCCACCGCGTGTGGCTACCCCTGTGAGGCGGCCCGGAGATCGTGTGG CCACGCTGCGAGAGTGGCTGGAGCAGCACAAGGACAAGGTGGNACCGGCTGATCATCTGC GTGTTCTCGAGAATGACGAGGACATCTACCGGAGCCNGGCTNCNCACTACTTNCCTGGT GC
Restriction Sites:	Please inquire
ACCN:	BC003188
Insert Size:	1031 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).
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:	BC003188.1 , AAH03188.1
RefSeq Size:	1031 bp
Locus ID:	28992
Cytogenetics:	11q13.1

Gene Summary:

Removes ADP-ribose from asparatate and glutamate residues in proteins bearing a single ADP-ribose moiety (PubMed:23474714, PubMed:23474712). Inactive towards proteins bearing poly-ADP-ribose (PubMed:23474714, PubMed:23474712). Deacetylates O-acetyl-ADP ribose, a signaling molecule generated by the deacetylation of acetylated lysine residues in histones and other proteins (PubMed:21257746). Plays a role in estrogen signaling (PubMed:17893710, PubMed:17914104, PubMed:19403568). Binds to androgen receptor (AR) and amplifies the transactivation function of AR in response to androgen (PubMed:19022849). May play an important role in carcinogenesis and/or progression of hormone-dependent cancers by feed-forward mechanism that activates ESR1 transactivation (PubMed:17893710, PubMed:17914104). Could be an ESR1 coactivator, providing a positive feedback regulatory loop for ESR1 signal transduction (PubMed:17914104). Could be involved in invasive growth by down-regulating CDH1 in endometrial cancer cells (PubMed:17893710). Enhances ESR1-mediated transcription activity (PubMed:17914104).[UniProtKB/Swiss-Prot Function]