

Product datasheet for MC200765

Amacr (BC015825) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Amacr (BC015825) Mouse Untagged Clone
Tag: Tag Free
Symbol: Amacr
Synonyms: Macr1
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC015825
 CCACGCGTCCGGCTGGCAGGCCTGGCCCCGGGGCCGTTCTGCGGAATGGTCTGGCGGACTTCGGCGCCG
 AGGTGGTGGCGTGAACCGGCTGGGCTCCACGGGCGAGAATTTCTGGCCGAGGCAAGCGCTCGTAGC
 GCTGGACCTGAAGCGCTCTCAGGGAGTCACGGTGTTCGGGCGCATGTGCGCACGCGCGGACGTGTTGCTG
 GAGCCCTTCCGCTGCGGTGTCATGGAGAACTCCAGCTTGGGCCAGAGACTCTACTGCAGACAATCCAA
 AGCTCATCTATGCCAGGCTGAGCGGATTTGGCAAATCGGGAATTTCTCCAAAGTAGCTGGCCATGACAT
 CAACTATTTGGCTTTATCAGGCGTTCTGTCAAAGATTGGCAGAAGCGGTGAGAACCCTACCCACCCTG
 AATCTCTGGCTGACTTTGGCGGTGGAGGCCTCATGTGCACACTGGGCATTGTGCTGGCTCTTTTGAAC
 GCACACGCTCTGGCCGAGGGCAGGTCATCGATTCAAGCATGGTGGAAAGGGACTGCATACTAAGTCTTT
 CCTGTGAAAACCCAGCCATGGGTCTGTGAAACAGCCTCGAGGACAAAACATCTTAGATGGCGGTGCA
 CCTTTCTACACAACCTACAAGACGGCAGACGGGGAGTTTCATGGCTGTAGGTGCCATAGAACCCAGTTCT
 ATGCACTGCTGCTTAAAGGACTTGGACTCGAGTCTGAGGAACTCCCTCCAGATGAGCTCAGCAGATTG
 GCCAGAGATGAAGAAGAAATTTGCAGATGTGTTTGCAAAGAAGACTAAGGCAGAATGGTGCCAGATCTTT
 GACGGGACAGATGCGTGTGTGACCCAGTGTGACGTTTGGAGGGCCCTCCACCACCAGCACAACAGAG
 AACGGGCTCCTTCATCACTGATGGGGAGCAGCTCCCGAGCCCCGCCCTGCACCTCTGCTTTCCAGAAC
 TCCTGCCGTCCCCTGCCCCAAAAGGGACCTTCTGTAGGGGAGCACACCGTAGAAGTGCTTAGAGAGTAT
 GGATTCAGTCAGGAAGAGATCCTTCAGCTGCACTCAGATAGAATCGTTGAAAGTGATAAGCTAAAAGCCA
 ATCTCTGACTCAGGCTTATAGCTCAAGAGAATCTGAAGGCTGCATCTCCACTGGGGAGGGATGCCACAA
 TTGTGTATGGAAATGTGGATGAACAGCAATGAAGTCATCCAAATATCCCAATCAGATCCAACGAAAG
 GCTGGTTACAGGATAACGATTGCGCCCTTACGCTGCTTATCAGAGCCTCTGATTGAGGAAAATTTGTGTG
 TGTGTAAGTATAGTAACTTGTGGCAGCTTTCTGCCTTTCAGTTCCCTTGGTGAAGTGATCCATTTATTA
 AAACCCTTTTATAAAATACAACCTCTGATCATATATTAATAACTATTATAACTTTAAAAAAAAAAAAAAAA AA

Restriction Sites: RsrII-NotI
ACCN: BC015825
Insert Size: 1083 bp



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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:	<u>BC015825</u> , <u>AAH15825</u>
RefSeq Size:	1472 bp
RefSeq ORF:	1083 bp
Locus ID:	17117
Cytogenetics:	15 A1
Gene Summary:	Catalyzes the interconversion of (R)- and (S)-stereoisomers of alpha-methyl-branched-chain fatty acyl-CoA esters (By similarity). Acts only on coenzyme A thioesters, not on free fatty acids, and accepts as substrates a wide range of alpha-methylacyl-CoAs, including pristanoyl-CoA, trihydroxycoprostanoyl-CoA (an intermediate in bile acid synthesis), and arylpropionic acids like the anti-inflammatory drug ibuprofen (2-(4-isobutylphenyl)propionic acid) but neither 3-methyl-branched nor linear-chain acyl-CoAs (By similarity).[UniProtKB/Swiss-Prot Function]