

Product datasheet for **RN204630**

Amacr (NM_012816) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Amacr (NM_012816) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Amacr
Synonyms:	Da1-8; Marc1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN204630 representing NM_012816 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGCTGCGTGGCGTCAGGGTCTGGAGCTGGCAGGCCTGGCCCCAGGGCCGTTCTGCGGGATGATCC
TGGCGGACTTCGGCGCCGAGGTGGTCTCGTGGACAGACTGGGCTCCGTGAACCACCCAGTCACCTGGC
CCGAGGCAAGCGCTCGTGGCGCTGGACCTGAAGCGGTCTCCGGGAGCCGCGGTGTGCGGCGCATGTGC
GCACGCGCGGACGTGTTGCTGGAGCCCTCCGTTGCGGTGTATGGAGAACTCCAGCTTGGCCAGAGA
CTCTACAGCAGGACAATCCAAAGCTCATCTATGCCAGGCTGAGTGGATTTGGCCAGTCGGGAATTTCTC
CAAAGTAGCTGGCCATGACATCAACTATGTGGCTTTGTCAGGTGTCTGTCAAAGATTGGCAGGAGCGGT
GAGAACCATACCCTCCCTGAACCTCCTGGCCGACTTTGGTGGCGGTGGCCTCATGTGCACATTGGGCA
TTTTGCTGGCTCTCTTCGAACGCACGCGGTCTGGCCTAGGGCAGGTATTGATGCGAACATGGTGAAGG
AACGGCATACTTAAGTACTTTCTGTGAAAACTCAAGCCATGGGTCTGTGGGCACAGCCTCGAGGGCAA
AACCTGTTAGATGGCGGGCACCTTTCTACACAACCTACAAGACCGCAGATGGGGAGTTCATGGCTGTAG
GTGCAATAGAACCCAGTTCTACACACTGCTGCTTAAAGGACTTGGACTTGAGTCTGAGGAACTCCCCAG
CCAGATGAGCATAGAAGATTGGCCAGAAGTGAAGAAGAAATTTGCAGATGTGTTTGAAGGAAGACTAAG
GCAGAGTGGTGCCAGATCTTTGACGGGACAGATGCATGTGTGACCCAGTGTGACTCTTGAGGAGGCC
TCCACCACCAGCACAACAGAGAACGGGGCTCCTTCATCACTGACGAGGAGCAGCATGCAAGCCCCGTCC
TGCACCCAGCTTCCAGAACCCTGCTGTTCTTCTGCCAAAAGGGACCCTTCTGTGGGAGAGCACACT
GTAGAGGTGCTTAAAGACTATGGATTCACTCAGGAAGAGATCCATCAGCTGCACTCGGATAGAATCATTG
AAAGTAATAAGCTAAAAGCCAACCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_012816
Insert Size:	1149 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:	<u>NM_012816.2, NP_036948.2</u>
RefSeq Size:	1542 bp
RefSeq ORF:	1149 bp
Locus ID:	25284
Cytogenetics:	2q16
Gene Summary:	enzyme that converts pristanoyl-CoA and C27-bile acyl-CoAs to (S)-stereoisomers; involved in the degradation of the side chain of bile acid intermediates [RGD, Feb 2006]