

## Product datasheet for **MR210128**

### **Acox3 (NM\_030721) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Acox3 (NM_030721) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Acox3
Synonyms:	BI685180; EST-s59; PCOX
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide  
Sequence:**

>MR210128 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGATCCCTACCGAAGAAAAAGACAGTGCTTTGTGGTCAGACACCCCAAGGGCCCTTTAGTGCCT  
 ACCGAGCAAGAGCCTCCTTCAACTCTGGGAGCTGCTGCTCTTTGGGACGGCCAGGATGTAATCCACTT  
 CAAGAAAACCATCTTCTCAACTTTGAGAAATGACCCTCTCTTTGCCCGCTCGTACGGGGCCGACCTGCC  
 CTAGAGAAGCTACGAGAAGTGAACCTTCTCGCTGCAAGAGGGTCTTTGAGTATGGCTTCTTCAAAGTAG  
 AGGAACTGCTAAAGAACCCCTGAAGATTCTAGTGTGATTAAGTGCCTGGGCATGTACGACTGGTCCCT  
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 CTACCGAGGTGGCTACATTTCTGGGGAACAAACAGGAAGAGCGATGGAGGACGCCATCCTGACCCTGTGT  
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 AGAGCGTGCCCGCTGGTGGCCCGAGTTCTTGCCAACAAATCTGTAGCCGACAGGCTAAAGTCCCAGCTG

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR210128 protein sequence  
Red=Cloning site Green=Tags(s)

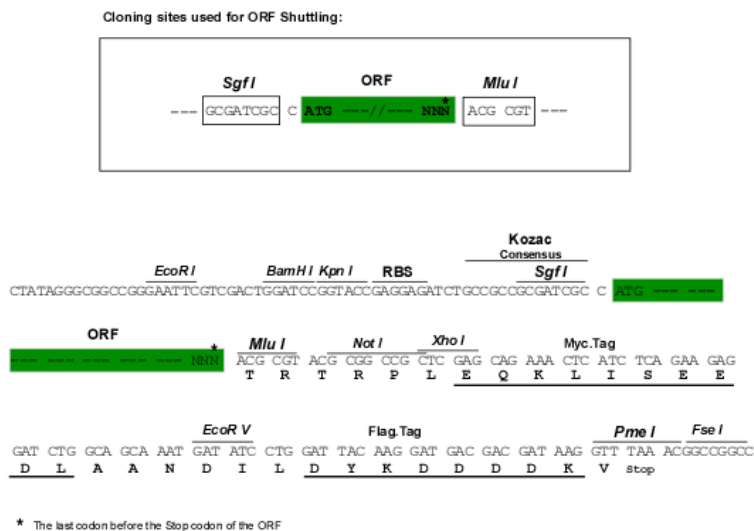
MGSLPEEKDSALWSDTPKGPLSAYRARASFNSGELLLFWDGQDVIHFKKTIFSTLENDPLFARSYGADLP  
 LEKLRELNFLRCKRVFEYGFVKVEELLKNPLKILVLIINCLGMYDWSLANKCVLHMLVFGTTVFVSGSEKH  
 FKYLEKIYSLEIFGCFALTELSHGSNTKAMRTTAHYDPDTQEFILHSPDFEAAKFVWGNLKTATHAVVF  
 AQLYMPDGQCHGLHSFLVQIRDTKLLPMTGVMVGDIGKKGQNGLDNGFAMFNKVRIPRQNLDRDTGNI  
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 LQQWRILPYLAAAYALDHF SKTIFMDLIEVQSARLRGDHSDQQAELGREIHALASAGKPLASWTAQRGIQ  
 ECREACGGHGYLAMNRFGLRNDNDPNCTYEGDNNVLLQQTSNYLLSLEPPLQDGAHFTSPLKTVDFLE  
 AYPGILGQKFLGSSKADWMSAAPLAAYRWLVCYLLQESHRRYCQEKKSRGSDFEARNNSQVYGCRLPAL  
 AFMELTVMQR FHEHIHSSGLSPSLRTVLGRLSTLYGLWCLSQHMALLYRGGYISGEQTGRAMEDIAIL TLC  
 EQLKDDAVALVDVIAPSDVFLNSPIAKADGELYKNLWAAVLQQNGVLERAAWWPEFSANKSVADRLKSQL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_030721

**ORF Size:** 2103 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_030721.3](#)

**RefSeq Size:** 3977 bp

**RefSeq ORF:** 2103 bp

**Locus ID:** 80911

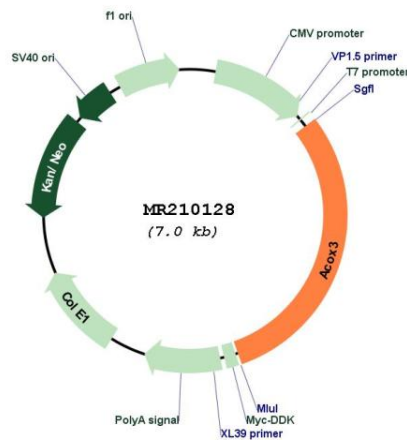
**UniProt ID:** [Q9EPL9](#)

**Cytogenetics:** 5 B3

**MW:** 78.4 kDa

**Gene Summary:** Oxidizes the CoA-esters of 2-methyl-branched fatty acids.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR210128