

Product datasheet for **RC227109**

ACOXL (NM_001142807) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	ACOXL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >RC227109 representing NM_001142807
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAGAGCTTTGACAGTTCAGAGAGTGAAGTTTGCCATGGACCTGCCTCTGTTAAACGTGCAGGTCAGG
 ATCTGGCAGAGAAAACAAAGATTTTGTACGCCGAAGCCTTGTCATAGGAGAAGTCCTCTCCATGGCGGA
 CATGGCCACAGGAGTGAAGTGCAGGAATAATTTATTGGCTATTTGGTGGTCTATCAGGAATCTCGGAAGC
 CCTGAACATGTTACTAAGTGGTTTCAGCCACTCCAGGAGCAGAAATACACTGGGATGTTTGAATGACCG
 AGAGGGGCCATGGGAGCAACGCGAGAGGGATCCAGACCGAAGCCACCTTTGACCTCTCTGCCAGGAGTT
 TGTAAATTGACACGCGGTGTGAAAATGCGGAGAAGATGTATATTGAAAATGCCATGTACGGGAATTTATGCA
 GCTGTCTTTGCCAGCTCATCATAGATGGAAGATCTCAAGGGCCCCACTGTTTCATCGTTCCTGTCCGGG
 ATGAAAACGGAAGCTTGATCCAGGAGTCACAGCTATTGATATGATGTACAAGGAGGTCTGCATGGTGT
 GGCAATGGGATATTAATTTTGACAAGTTTCGGATACCCAGGAGAACCTGCTGGATAAGTTTGGTTCC
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 CACTGACCCCTTCGAGATTAGCTGTGGCTTTCAAGCTATGGGTGCCATGAAGCTTGGGTTGACGATAGC
 CATTGCTATAGCCACAGCCGAGGCGAGTTTGGGCCAAAACCAAGGAAGAGGTGAAGATCATTGAGCAC
 CAAACACAGACCTGCGGCTGATGCCCCACCTGGCCACAGCCTTGCCCTGACCTTCGTGACGAGGTATG
 CTGGGGCCCTCCTGGATGAGGATGTCTTCCAGGAAAGGAGCTGGTCAACAGTGCCTGCTGCAGGCTCT
 GGTGGCGGGCTGAAGGCCTACAGCACCTGGGAGAATCCGCTGCCTGCAGGACTGCCGCGAGTGCAGT
 GGAGGCATGGTTGTGGGCGGGAAGTGTGGCCAATACACCAACAGTATGAAGAAAACCACTCTTTG
 GCCTGCTCCAAACTGGGCTGAATCTGTGGGGACAAGCTGAGAACAGTTTCTGGCATTAAACATGGA
 CACAGTTGATGATCTCGCCTTTCTGTTGAAAGCAGTGAATTTCTGTAAGGGTTCTTCAGCGGGGTTTG
 GTGGCCAGAATTTATTATAAGGTAAAGACCAAGAAGGAGGATTTTTCCATGCCTGGAACCTCGTGTCTGC
 ACCAGTGGCTTCTGTCCCTGGCACACACTACCCGAGTTACCTTAGAGCAGTTCTCCCTAGCAGTGAA
 GAGTGTCTGACCAAGAGGACAGACTTTGTTAATGAAGTTTGTCTGTTGTATGGAACCAAGCTGGTG
 TTTACGAGCGGGCTGTTATTTAGAACATAAATACTTGACTCCCATGGCCAGCAGCAGGATCAGGAATC
 AGTTGTCTGGATTTGTGCGACTCGGTGAAGGATGATGCCCGAGGGTGATCTCGACCTTTAACATTCCACA
 CACCTACCTCCACGCACCAATCGCCGGAATCTCAACCCGCGGGCCGCTGGGCTTTCTACCCTGCACCG
 CTCGAGCCGCGCCACGGGAAGAGGCGCTCCCGCGGCCCAAGCTGGGAGCCAAGCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC227109 representing NM_001142807
 Red=Cloning site Green=Tags(s)

MRALTVQRVKFMADLPLLKRAQDLAEKTKNFVSRSLVIGEVLSMADMATGVKCGIIYWLFGGAIRNLGS
 PEHVTKWQPLQEYKTYGMFAMTERGHGNSNARGIQTEATFDLSAQEFVIDTPCENAEKMYIGNAMYGNYA
 AVFAQLIIDGRSQGPHCFIVPVRDENGSLYPGVTAIDMMYKEGLHGVNDGILIFDKVRIPRENLLDKFGS
 VAPDGQYHSPIRNKSARFNAMLAALTPSRLAVAFQAMGAMKLGLTIAIRYSHSRRQFGPKTKEEVKIIIEH
 QTQTLRLMPHLATALALTFVSRVYAGALLDEDVFQGKELVNSRSLQALVAGLKAYSTWENIRCLQDRECT
 GGMVVGRELLAQYTKQYEEKPLFGLLQNWAEVSGDKLRTSFLAFNMDTVDDLAFLLKAVKFRERVLQRGL
 VARIYYKVKTKKEDFFHAWNSCLHHVASLSLAHTRVTLTLEQFSLAVKSCPDQEDQTLMLKFCLLYGTCLV
 FQERAWYLEHKYLTMASTRIRNQLLDLSDSVKDDARRVISTFNIPHTYLHAPIAGISNPRAAWFYPAP
 LQPRPREARSRRPKLGAKL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8032_h08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001142807

ORF Size: 1740 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).

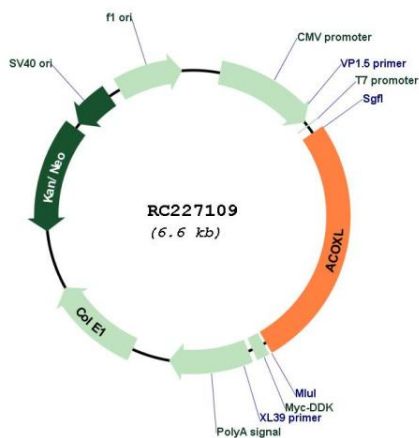
Reconstitution Method:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001142807.4](#)

RefSeq ORF:	1743 bp
Locus ID:	55289
UniProt ID:	Q9NUZ1
Cytogenetics:	2q13
MW:	65.3 kDa

Product images:

Circular map for RC227109