

Product datasheet for RC211954

AMAC1L2 (SLC35G5) (NM_054028) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AMAC1L2 (SLC35G5) (NM_054028) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	AMAC1L2
Synonyms:	AMAC; AMAC1L2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC211954 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGGCAGTCACCCCTACTTCAACCTGCCTGACTCCACACACCCATCGCCGCCCTCCGCTCCACCCA
GCCTCCGCTGGCACCAGCGCTGCCAGCCCTCTGGTGCCACCAATGGCTGCTGGTGGCCCTGCTGGGTGG
GGCCTGCCTGCTGGCTTCGTGGGCCCTTTCTCGTATGGCTTACCAGGGTTCCAACCTGCCCTCGCTG
GAGCTGCTCATCTGTCGATGCCTCTTCCACCTCCCTATTGCCCTGCTACTTAAACTGCGTGGCGACCC
TTCTGGGACCTCCTGACATCCGAGGCTGGGCTGCTTCTGTGCCCTGCTCAACGTCCTCAGCATTGGATG
TGCTACAGTGCAGTTCAGGTGGTGCCCGCTGGCAACGCTGCCACTGTTCCGAAAGGTTCTCCACCGTA
TGCTCCGCTGTCCCTCACCTCTGCCTTGAGAGCCAGGGTCTCGGTGGCTACGAGTGGTGTGGACTGTTGG
GCAGCATCCTAGGACTAATCATATTCTGGGACCTGGACTCTGGACACTACAGGAGGGGACCACAGGTGT
CTACACCACCCTGGGCTATGTGCAGGCTTCTGGGAGGCTGGCGCTGTCCCTGGGGCTTCTGGTCTAT
CGTTCTCTGCACTTCCCTCCTGCCTCCCAACAGTGGCCTTCTATCTGGCTTGGTGGGGCTGCTGGGCT
GTGTGCCAGGCCCTTTGTGTGCAGACCCCGTGTGCCAGTGACCTCCTGAGTTGGAGTTGTGTGGG
GGCAGAGGGGATCCTCGCCTTGGTCTCCTTACATGTGTGGCTATGCGGTCACCAAGGCCACCCCTGCC
CTGGTGTGGCTGCTCCTGCATTCCGAGGTGGTTGTGGCCCTTACTGCAGTATTATGCTCCATGAGA
CTGTGGCACTTCTGACATCATGGGGGACGGGTTGTGCTGGGCAGCATTGCCATCATTACAGCCCGGAA
CCTCAGCTGTGAGAGGACAGGAAGGTGGAGGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC211954 protein sequence
Red=Cloning site Green=Tags(s)

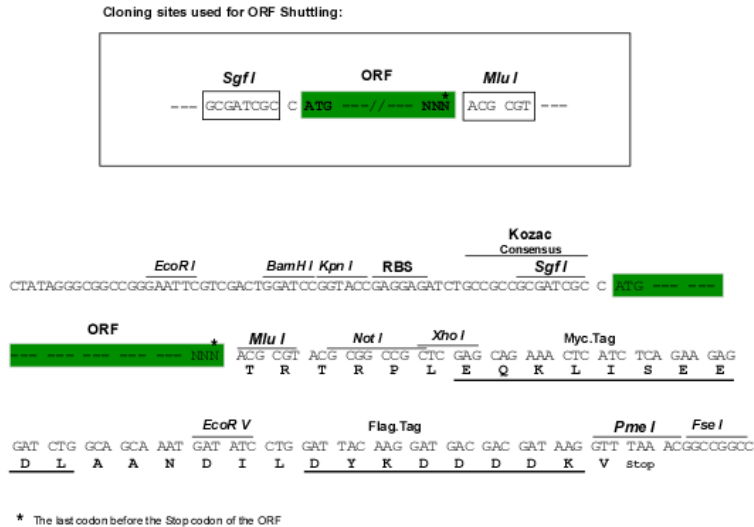
MAGSHPYFNLPDSTHPPSPAPPPLRWHQRCQPSGATNGLLVALLGGGLPAGFVGPLSRMAYQGSNLPSEL
 LLLICRCLFHLPIALLLLKLRGDPDLLGPPDIRGWACFCALLNVLISGCAYSAVQVVPAGNAATVRKGSSTV
 CSAVLTLCLESQGLGGYEWCGLLGSILGLIIILGPGWTLQEGTTGVYTTLYGVQAFLLGGLALSLGLLVY
 RSLHFPSCLPTVAFLSGLVGLLGCVPGLFVLQTPVLPDLLSWSCVGAEGILALVSFTCVGYAVTKAHPA
 LVCAVLHSEVVVALILQYYMLHETVALSDIMGAGVVLGSIAIITARNLSCERTGKVEE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6452_c06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_054028

ORF Size: 1014 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_054028.2](#)

RefSeq Size: 1201 bp

RefSeq ORF: 1017 bp

Locus ID: 83650

UniProt ID: [Q96KT7](#)

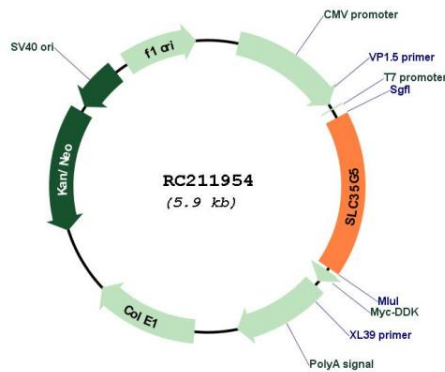
Cytogenetics: 8p23.1

Protein Families: Transmembrane

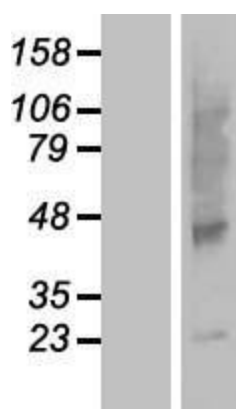
MW: 35.2 kDa

Gene Summary: This gene is intronless and probably arose from retrotransposition of a similar gene. It has high sequence similarity to the gene encoding acyl-malonyl condensing enzyme on chromosome 17. [provided by RefSeq, Aug 2011]

Product images:



Circular map for RC211954



Western blot validation of overexpression lysate (Cat# [LY409294]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC211954 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).