

Product datasheet for **RG211954**

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: | TurboGFP |
| Symbol: | AMAC1L2 |
| Synonyms: | AMAC; AMAC1L2 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >RG211954 representing NM_054028 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGGCAGTCACCCCTACTTCAACCTGCCTGACTCCACACACCCATCGCCGCCCTCCGCTCCACCCA
GCCTCCGCTGGCACCAGCGCTGCCAGCCCTCTGGTGCCACCAATGGCTGCTGGTGGCCCTGCTGGGTGG
GGCCTGCCTGCTGGCTTCGTGGCCCCCTTTCTCGTATGGCTTACCAGGGTTCCAACCTGCCCTCGCTG
GAGCTGCTCATCTGTCGATGCCTCTTCCACCTCCCTATTGCCCTGCTACTTAAACTGCGTGGCGACCC
TTCTGGGACCTCCTGACATCCGAGGCTGGGCTGCTTCTGTGCCCTGCTCAACGTCCTCAGCATTGGATG
TGCTACAGTGCAGTTCAGGTGGTGCCCGCTGGCAACGCTGCCACTGTTCCGAAAGGTTCTTCCACCGTA
TGCTCCGCTGTCCCTCACCTCTGCCTTGAGAGCCAGGGTCTCGGTGGCTACGAGTGGTGTGGACTGTTGG
GCAGCATCCTAGGACTAATCATATTCTGGGACCTGGACTCTGGACACTACAGGAGGGGACCACAGGTGT
CTACACCACCCTGGGCTATGTGCAGGCTTTCTGGGAGGCTGGCGCTGTCCCTGGGGCTTCTGGTCTAT
CGTTCTCTGCACTTCCCTCCTGCCTCCCAACAGTGGCCTTCTATCTGGCTTGGTGGGGCTGCTGGGCT
GTGTGCCAGGCCCTTTGTGTGTCGAGACCCCGTGTGCCAGTGACCTCCTGAGTTGGAGTTGTGTGG
GGCAGAGGGGATCCTCGCCTTGGTCTCCTTACATGTGTGGCTATGCGGTCACCAAGGCCACCCCTGCC
CTGGTGTGCGCTGCTCATTCCGAGGTGGTTGTGGCCCTTATACTGCAGTATTATGCTCCATGAGA
CTGTGGCACTTTCTGACATCATGGGGGACGGGTTGTGTGCTGGGCAGCATTGCCATCATTACAGCCCGGAA
CCTCAGCTGTGAGAGGACAGGAAGGTGGAGGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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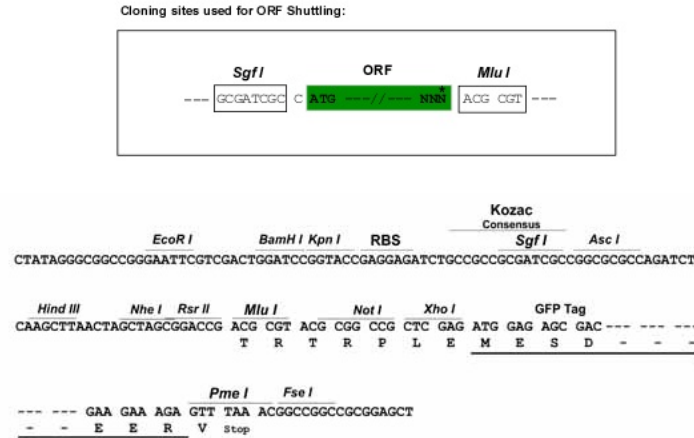
Protein Sequence: >RG211954 representing NM_054028
Red=Cloning site Green=Tags(s)

```
MAGSHPYFNLPDSTHPSPPSAPPSLRWHQRCQPSGATNGLLVALLGGGLPAGFVGPLSRMAYQGSNLPSEL
ELLICRCLFHLPIALLLLKLRGDPDLLGPPDIRGWACFCALLNVL SIGCAYSAVQVVPAGNAATVRKGSSTV
CSAVLTLCLSEQGLGGYEWCGLLGSILGLIIILGPGLWTLQEGTTGVYTTLGYVQAFLGGLALSLGLLVY
RSLHFPSCLPTVAFLSGLVGLLGCVPGLFVLQTPVLPDILLSWSCVGAEGILALVSFTCVGYAVTKAHPA
LVCAVLHSEVVVALILQYYMLHETVALSDIMGAGVVLGSI AIIITARNLSCERTGKVEE
```

TRTRPLE - GFP Tag - V

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

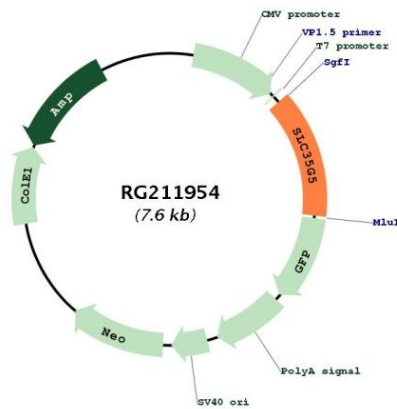
UniProt ID: [Q96KT7](#)

Cytogenetics: 8p23.1

Protein Families: Transmembrane

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 RG211954