

Product datasheet for **RG229297**

ALS2CR13 (FAM117B) (NM_173511) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ALS2CR13 (FAM117B) (NM_173511) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ALS2CR13
Synonyms:	ALS2CR13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG229297 representing NM_173511
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCCAGCGGGTGAGGCGCAATGGGTCCCCACGCGCGCCGGCTCCCTTGGGGGTGGTGCGGTGGCCA
 CGGCCGGGGGACCGGGAGCCGCTTGACGCCCATGAGGGCGACGGTTCGGTTCAGCTGAAGCAGCAGCA
 GCAGCAGCAACATGGCAGCCCCACGCGGAGCGGCGGCGGCGGCGGCAACAACACGGTGGCTGCTGT
 GGTGGCGCCTCAGGCCCGCAGGCGGCGGCGGCGGCGGTGGCCGCGCACCGCCTCGCGCAGCACCAGCC
 CCACGCGCGGCGGGAACGCGGCCGCGCACCAGCCCCACGGTGGCCACGCAGACGGGCGGTCCGC
 GACGTCCACGCGAGGCACCAGCCCCACGCGCAGCGCGCGCCTGGAGCTCGCGGAGCCCCCACGGCCG
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 AGGTGAGCGCGGCCCCACCCACGCCCGCTCCGGCATCGGAGGAGGTCTCCGGAGCAGACCGGAAGCTC
 GCCGGAAGAGGAGCCCCAGCGCCCCGGTTTGCAAAGCAGGTGACAAAACACGACAGCCTTCTTCAAGC
 CCTCCAGTATTATCCGACGCACTTCTCCTGGATACTCTTGCTGCACCGTATCTTGCTGGACACTGGC
 CTCGGGATAGCCATGGGCAAGCTGCACCTTGATGAGGGACAAAGCTACACAGACAGAGAGTGCATGGGC
 TGAAGAATACTCTGAAAAGAAGAAAGGGTCTCACAAGCGCTCAGCATCTTGGGGCAGTACAGATCAACTT
 AAGGAGATTGCAAAATTACGCCAGCAGTTGCAGAGAAGTAAACACAGCAGTCGGCATCATCGAGATAAAG
 AAAGACAGTCTCCATTTTCATGGCAACCATGCAGCTATTAACAGTGTGAGGCTCCTGTTCCAAAGAGTGC
 ACTTATTCCTGTAATCCCATCACCAATCAACAGGCTCCCGTTCCGGAATAGCGTGGAAGGATTGAAT
 CAGGAGATTGAAATAATAATTAAGAGACTGGGAAAAGGAAGAGCAACTTATACCGCAAGATATCCAG
 ATGGCCATCGTGCTCCACCCCCCTTGACAGAGAAGTAGCAGCACGCGCAGCATTGACACACAGACGCC
 TGGTGGGCGAGACAGGGGAAGCAACAACAGCAGCGGTTCCAGTCCGTGTCGCCAACATCGTTCCTCACC
 ATTTCCAATGAAGGTAGCGAGGAGAGTCTTGCTCAGCGGATGACCTGCTGTTGATCCCAGAGATAAAG
 AGAATGGGAACAATTCTCCTTTGCCCAATATGCAACCTACCAAAACCTAAACAGTTATATGTTCAA
 AAGGGAACCTCCTGAGGGCTGTGAAAGGTCAAAGTCTTGAGGAATGCTCGCCAAAACAGCTTCATGAA
 ATCCCAGCCTTTTATTGCTGACAAAACAAGGTGAATTTATTCTTAAAGTGGATCTGCTTTCTGCC
 TCGTCAGCATCTCAAGCCACTCTTCTACCCGGATCTTACACTCAAGGGCTCTGGCCACAGCCTGAC
 AGTCACCACTGGCATGACAACCACTCTGCTGCAGCCTATTGCTGTGGCCTCCCTGTCTACAAACACAGAG
 CAAGACCGAGTCTCTGAGGAACAAGTACAGTCATGCCATCAGCTTCTCTACTCCACCACCAGAACCA
 TTGAGGAAGCTGAAGGA

ACGCGTACGCGGCGGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

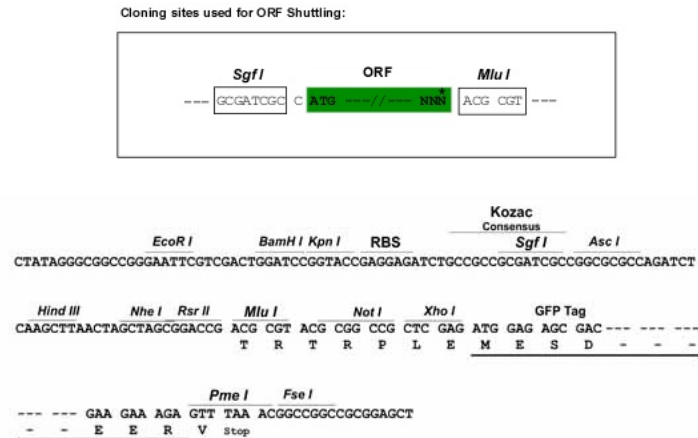
>RG229297 representing NM_173511
 Red=Cloning site Green=Tags(s)

MSQVRVRNGSPTPAGSLGGGAVATAGGPGSRLQPMRATVPFQLKQQQQQHGSPTRSGGGGGNNNGGCC
 GGASGPAGGGGGGPRTASRSTSPTRGGGNAARTSPTVATQTGASATSTRGTSPTRSAAPGARGSPPRP
 PPPPPLLGTVSSPSSSPHLWTGEVSAAPPPARVRHRRRSPEQSRSSPEKRSPSPVCKAGDKTRQPS
 PSSIIIRRTSSDLTAAPYLAWHWRDQSHQAAPCMRDKATQTESAWAEEYSEKKKGSHKRSASWGSTDQL
 KEIAKLRLQRLQSKHSSRHHRDKERQSPFHGNAAINQCQAPVPKSAIPVIPITKSTGSRFRNSVEGLN
 QEIEIIKETGEKEEQIPQDIPDGHRAAPPLVQRSSSTRSIDTQTPGGADRGSNSSRSQSVSPTSFLT
 ISNEGSEESPCSADDLLVDRDKENGNNSPKPYATSPKPNNSYMFKREPPEGCERVKVFECCSPKQLHE
 IPAFYCPDKNKVNFIKSGSAFCLVSIKPLLPDPLTLKSGHSLTVTTGMTTLLQPIAVASLSTNTE
 QDRVSRGTSTVMPSASLLPPPEPIEEAEG

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_173511

ORF Size: 1767 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_173511.4](#)

RefSeq Size: 5795 bp

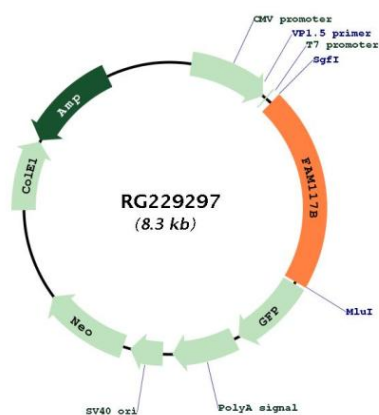
RefSeq ORF: 1770 bp

Locus ID: 150864

UniProt ID: [Q6P1L5](#)

Cytogenetics: 2q33.2

Product images:



Circular map for RG229297