

Product datasheet for **RC219078**

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:	Myc-DDK
Symbol:	ALS2CR13
Synonyms:	ALS2CR13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC219078 representing NM_173511
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGTCCCAGCGGGTGAGGCGCAATGGGTCCCCACGCGCGCGGCTCCCTTGGGGGTGGTGCAGTGGCCA
 CGGCCGGGGGACCGGGAGCCGCTTGCAGCCCATGAGGGCGACGGTTCGGTTCAGCTGAAGCAGCAGCA
 GCAGCAGCAACATGGCAGCCCCACGCGGAGCGGCGGCGGCGGCGGCAACAACACGGTGCTGTGT
 GGTGGCGCCTCAGGCCCGCAGGCGGCGGCGGCGGCGGTGGCCGCGCACCGCCTCGCGCAGCACGAGCC
 CCACGCGCGGCGGCGGGAACGCGGCCGCGCAGCAGCCCCACGGTGGCCACGAGAGCGGCGCGTCCGC
 GACGTCCACGCGAGGACACGCCCCACGCGCAGCGCGCGCCTGGAGCTCGCGGAGCCCCCACGCGCG
 CCGCGCGCGCGCGCTGCTGGGACCGTGTCTGCGCCAGCTCGTCGCCACCCACCTGTGGACCGGCG
 AGGTGAGCGCGGCCCCACCCACGCGCGTCCGGCATCGGAGGAGGTCTCCGGAGCAGAGCCGAAGCTC
 GCCGGAAGAGGAGCCCCAGCGCCCCGGTTTCAAAGCAGGTGACAAAACACGACAGCCTTCTTCAAGC
 CCTCCAGTATTATCCGACGCACTTCTCCCTGGATACTCTTGCTGCACCGTATCTTGCTGGACACTGGC
 CTCGGGATAGCCATGGGCAAGCTGCACCTTGCATGAGGGACAAAGCTACACAGACAGAGAGTGCATGGGC
 TGAAGAATACTCTGAAAAGAAGAAAGGGTCTCACAAGCGCTCAGCATCTTGGGGCAGTACAGATCAACTT
 AAGGAGATTGCAAAATTACGCCAGCAGTTGCAGAGAAGTAAACACAGCAGTCGGCATCATCGAGATAAAG
 AAAGACAGTCTCCATTTTCATGGCAACCATGCAGCTATTAACAGTGTGAGGCTCTGTTCCTCAAGAGTGC
 ACTTATTCCTGTAATCCCATCACCAATCAACAGGCTCCCGTTCCGGAATAGCGTGGAAGGATTGAAT
 CAGGAGATTGAAATAATAATTAAGAGACTGGGAAAAGGAAGAGCAACTTATACCGCAAGATATCCAG
 ATGGCCATCGTGCTCCACCCCCCTTGTACAGAGAAGTAGCAGCAGCGCAGCATTGACACACAGACGCC
 TGGTGGGCGAGACAGGGGAAGCAACAACAGCAGCGGTTCCAGTCCGTGTCGCCAACATCGTTCCTCACC
 ATTTCCAATGAAGGTAGCGAGGAGAGTCTTGGTGCAGCGGATGACCTGCTTGTGATCCCAGAGATAAAG
 AGAATGGGAACAATTCTCTTTGCCCAATATGCAACCTACCAAAACCTAAACAGTTATATGTTCAA
 AAGGGAACCTCTGAGGGCTGTGAAAGGTCAAAGTCTTTGAGGAATGCTCGCCAAAACAGCTTCATGAA
 ATCCCAGCCTTTTATTGCTGACAAAACAAGGTGAATTTATTCTTAAAGTGGATCTGCTTTCTGCC
 TCGTCAGCATCTCAAGCACTCTTCTACCCGGATCTTACTCAAGGGCTCTGGCCACAGCCTGAC
 AGTCACCACTGGCATGACAACCACTCTGCTGCAGCCTATTGCTGTGGCCTCCCTGTCTACAAACACAGAG
 CAAGACCGAGTCTCTGAGGAACAAGTACAGTCATGCCATCAGCTTCTCTACTCCACCACCAGAACCAA
 TTGAGGAAGCTGAAGGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC219078 representing NM_173511
 Red=Cloning site Green=Tags(s)

MSQRRVRRNGSPTPAGSLGGGAVATAGGPGSRLQPMRATVPFQLKQQQQQHHGSPTRSGGGGGNNNGGCC
 GGASGPAGGGGGGPRASRSTSPTRGGGNAARTSPTVATQTGASATSTRGTSPTRSAAPGARGSPPRP
 PPPPPLLGTVSSPSSPHTLWTEVSAAPPPARVRHRRRSPEQSRSSPEKRSPSAPVCKAGDKTRQPS
 PSSIIIRRTSSLDLAAPYLAWHPRDQSHQAAPCMRDKATQTESAWAEEYSEKKKGSHKRSASWGSTDQL
 KEIAKLQQQLQSKHSSRHHRDKERQSPFHGNHAAINQCQAPVPKSAIPVIPITKSTGSRFRNSVEGLN
 QEIEIIKETGEKEEQIPQDIPDGHRAAPPPLVQRSSSTRSIDTQTPGGADRGSSNNSSRSQSVSPTSFLT
 ISNEGSEESPCSADDLLVDRDKENGNNSPKPYATSPKPNNSYMFKREPPEGCERVKVFECCSPKQLHE
 IPAFYCPDKNKVNFIPKSGSAFCLVSILKPLLPDPLTLKSGHSLTVTTGMTTLLQPIAVASLSTNTE
 QDRVSRGTSTVMPASALLPPPEIEEAE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_173511

ORF Size: 1767 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

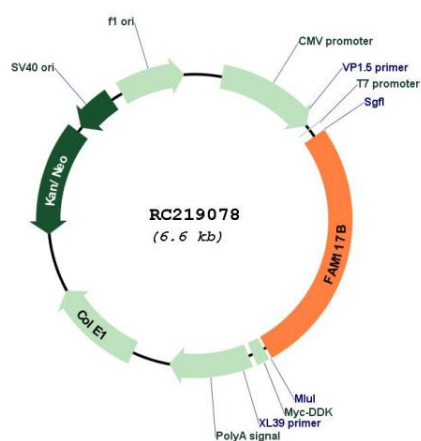
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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:	<u>NM_173511.4</u>
RefSeq Size:	5982 bp
RefSeq ORF:	1770 bp
Locus ID:	150864
UniProt ID:	<u>Q6P1L5</u>
Cytogenetics:	2q33.2
MW:	62 kDa

Product images:



Circular map for RC219078