

Product datasheet for **RG200827**

ALS2CR1 (NIF3L1) (NM_021824) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ALS2CR1 (NIF3L1) (NM_021824) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ALS2CR1
Synonyms:	ALS2CR1; CALS-7; MDS015
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200827 representing NM_021824 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTGTCATCTTGCCTACGCCAGTCCCCACGACAGTCCGGTTGTAGATTCCCTGATCTGCAATTCTT
CCCCTTCCTTCATGGATTTGAAGGCTCTCCTTTCTTCTTGAATGACTTTGCATCCCTCTCGTTTGTGA
GAGTTGGGACAATGTTGGATTACTGGTGAACCAAGCCACCACATACTGTAATACTCTTCTGACC
AATGACCTGACTGAGGAAGTGATGGAGGAGGTGCTGCAAAAGAAGGCAGACCTCATTCTCTCTACCATC
CGCCTATCTTCCGACCCATGAAGCGCATAACCTGGAACACATGGAAGGAGCGCCTGGTGATCCGGGCTCT
GGAGAACAGAGTCGGTATCTACTCTCCTATACAGCCTATGATGCTGCGCCCAGGGCGTCAACAACTGG
TTGGCTAAAGGGCTTGGAGCTTGTACCTCCAGGCCATACATCCTTCCAAAGCTCCCAACTACCCTACAG
AGGGAAACCACCGAGTAGAATCAACGTTAACTACACCAAGACCTGGACAAAGTCATGTCTGCAGTGAA
AGGAATTGACGGTGTCTGTCACCTTTCTTCTGCTAGGACTGGTAATGAGGAACAAACACGGATTAAT
CTGAATTGTAAGGCTTTGATGCAGGTGGTAGATTTTCTTCCCGGAACAAACAACCTTTATCAGA
AGACGGAAATCTGTCACTGGAGAAGCCTTTGCTTCTACATACTGGAATGGGACGGTTATGCACACTGGA
TGAATCTGTCTCCCTGGCAACCATGATTGATCGAATAAAAAGACACCTAAAACATCTCATATTCGCTTA
GCCCTTGGGGTGGGAGAACCTTAGAGTCTCAAGTCAAAGTCTGGCCCTGTGCTGGTTCTGGGAGCA
CGGTTCTGCAGGGTGTGAGGCTGACCTTTACCTCACAGGTGAGATGTCCCATCATGATACTTTGGATGC
TGCTTCCCAAGGAATAAATGTCATCCTCTGTGAACACAGCAACACTGAACGAGGCTTTCTTCTGACCTT
CGAGATATGCTGGATTCTCACTTGGAGAATAAGATAAATATTATCCTATCAGAGACTGACAGGGACCCCTC
TTCAGGTGGTA

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG200827 representing NM_021824
 Red=Cloning site Green=Tags(s)

MLSSCVRPVPTTVRFVDSLICNSSRSFMDLKALLSSLNDFASLSFAESWDNVGLLVEPSPHTVNTLFLT
 NDLTEEVMEVLQKKADLILSYHPIFRPMKRITWNTWKERLVIRALENRVGIYSPHTAYDAAPQGVNWW
 LAKGLGACTSRPIHPSKAPNYPTTEGNHRVEFNVNYTQDLKVMASAVKIDGVSVTSFSARTGNEEQTRIN
 LNCTQKALMQVDFLSRNKQLYQKTEILSLEKPLLLHTGMGRCLTDESVS LATMIDRIKRHLKLSHIRL
 ALGVGRITLESQVKVVALCAGSGSSVLQGV EADLYLTGEMSHHDTLDAASQGINVILCEHSNTERGFLSDL
 RDMLD SHLENKINIILSETDRDPLQVV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_021824

ORF Size: 1131 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_021824.2](#), [NP_068596.2](#)

RefSeq Size: 1606 bp

RefSeq ORF: 1053 bp

Locus ID: 60491

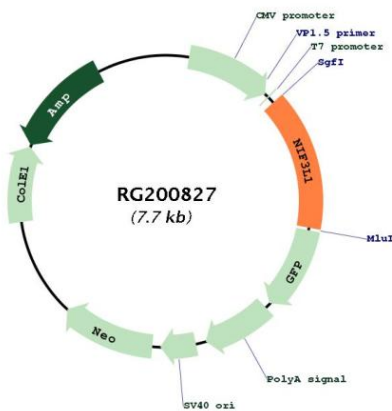
UniProt ID: [Q9GZT8](#)

Cytogenetics: 2q33.1

Domains: NIF3, DUF34

Gene Summary: May function as a transcriptional corepressor through its interaction with COPS2, negatively regulating the expression of genes involved in neuronal differentiation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG200827