

Product datasheet for **SC324978**

ALS2CR1 (NIF3L1) (NM_001142355) Human Untagged Clone

Product data:

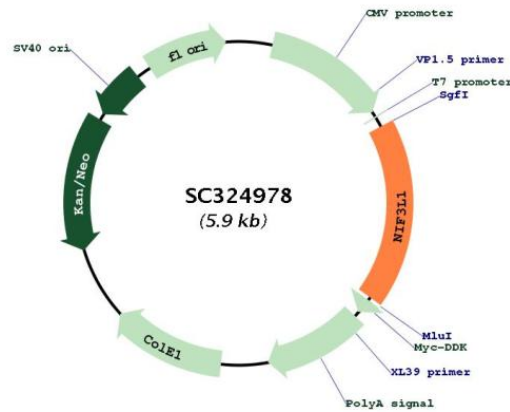
Product Type:	Expression Plasmids
Product Name:	ALS2CR1 (NIF3L1) (NM_001142355) Human Untagged Clone
Tag:	Tag Free
Symbol:	NIF3L1
Synonyms:	ALS2CR1; CALS-7; MDS015
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC324978 representing NM_001142355. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGATTTGAAGGCTCTCCTTTCTCCTTGAATGACTTTGCATCCCTCTCGTTTGCTGAGAGTTGGGAC
AATGTTGGATTACTGGTGAACCAAGCCCACCACATACTGTAATACTCTTCTGACCAATGACCTG
ACTGAGGAAGTGATGGAGGAGGTGCTGCAAAGAAGGCAGACCTCATTCTCTCTACCATCCGCCTATC
TCCGACCCATGAAGCGCATAACCTGGAACACATGGAAGGAGCGCCTGGTATCCGGGCTCTGGAGAAC
AGAGTCGGTATCTACTCTCCTCATACAGCCTATGATGCTGCGCCCAGGGCGTCAACAACCTGGTTGGCT
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AACCACCGAGTAGAATCAACGTAACTACACCCAAGACCTGGACAAAGTCATGTCTGCAGTGAAAGGA
ATTGACGGTGTCTGTCACTTCTTTTTCTGCTAGGACTGGTAATGAGGAACAAACCGGATTAATCTG
AATTGTA CT CAGAAGC TTTGATGCAGGTGGTAGATTTTCTTTCCCGAACAACAACTTTATCAGAAG
ACGGAAAT TCTGTCACTGGAGAAGC TTTGCTTACATACTGGAATGGGACGGTTATGCACACTGGAT
GAATCTGTCTCCCTGGCAACCATGATTGATCGAATAAAAAGACACCTAAAATATCTCATATTCGCTTA
GCCCTTGGGGTGGGAGAACCTTAGAGTCTCAAGTCAAAGTCGTGGCCCTGTGTGCTGGTTCTGGGAGC
AGCGTTCTGCAGGGTGTGAGGCTGACCTTTACCTCACAGGTGAGATGTCCCATCATGATACTTTGGAT
GCTGCTTCCCAAGGAATAATGTCATCCTCTGTGAACACAGCAACTGAACGAGGCTTTCTTTCTGAC
CTTCGAGATATGCTGGATTCTCACTTGGAGAATAAGATAAATATTATCCTATCAGAGACTGACAGGGAC
CCTCTTCAGGTGGTATAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001142355

Insert Size: 1053 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001142355.1](#)

RefSeq Size: 1446 bp

RefSeq ORF: 1053 bp

Locus ID: 60491

UniProt ID: Q9GZT8

Cytogenetics: 2q33.1

MW: 39 kDa

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]

Transcript Variant: This variant (3) differs in the 5' UTR and uses a downstream in-frame translation initiation codon, compared to variant 1. The resulting isoform (2) is shorter at the N-terminus, compared to isoform 1. Both variants 2 and 3 encode the same isoform.