

## Product datasheet for **RG227762**

### ALS2CR1 (NIF3L1) (NM\_001136039) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ALS2CR1 (NIF3L1) (NM\_001136039) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** NIF3L1  
**Synonyms:** ALS2CR1; CALS-7; MDS015  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG227762 representing NM\_001136039  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTGTCATCTTGCCTACGCCAGTCCCCACGACAGTCCGGTTGTAGATTCCCTGATCTGCAATTCTT  
CCCCTTCCTTCATGGATTTGAAGGCTCTCCTTTCTTCTTGAATGACTTTGCATCCCTCTCGTTTGTGA  
GAGTTGGGACAATGTTGGATTACTGGTGAACCAAGCCACCACATACTGTAATACTCTTCTGACC  
AATGACCTGACTGAGGAAGTGTGGAGGAGGTGCTGCAAAAGAAGGCAGACCTCATTCTCTCTACCATC  
CGCCTATCTTCCGACCCATGAAGCGCATAACCTGGAACACATGGAAGGAGCGCCTGGTATCCGGGCTCT  
GGAGAACAGAGTCGGTATCTACTCTCCTATACAGCCTATGATGCTGCGCCCAGGGCGTCAACAACTGG  
TTGGCTAAAGGGCTTGGAGCTTGTACCTCCAGGCCATACATCCTTCAAAGCTCCCAACTACCCTACAG  
AGGGAAACCACCGAGTAGAATCAACGTTAACTACACCAAGACCTGGACAAAGTCATGTCTGCAGTGAA  
AGGAATTGACGGTGTCTGTCACCTTCTTTTCTGCTAGGACTGGTAATGAGGAACAAACACGGATTAAT  
CTGAATTGACTCAGAAGGCTTTGATGCAGGTGGTAGATTTTCTTTCCCGGAACAAACAACCTTTATCAGA  
AGACGGAAATTCTGCTACTGGAGAAGCCTTTGCTTCTACATACTGGAATGGGACGGTTATGCACACTGGA  
TGAATCTGTCTCCCTGGCAACCATGATTGATCGAATAAAAAGACACCTAAAACATCTCATATTCGCTTA  
GCCCTTGGGGTGGGAGAACCCTTAGAGTCTCAAGTCAAAGTCTGGCCCTGTGTGCTGGTCTGGGAGCA  
GGTTCTGCAGGGTGTGAGGCTGACCTTTACCTCACAGGTGAGATGTCCCATCATGATACTTTGGATGC  
TGCTTCCAAGGAATAAATGTCATCCTCTGTGAACACAGCAACACTGAACGAGGCTTTCTTTCTGACCTT  
CGAGATATGCTGGATTCTCACTTGGAGAATAAGATAAATATTATCCTATCAGAGACTGACAGGGACCCCTC  
TTCAGGTGGTA

**ACGGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >RG227762 representing NM\_001136039  
 Red=Cloning site Green=Tags(s)

MLSSCVRPVPTTVRFVDSLICNSSRSFMDLKALLSSLNDFASLSFAESWDNVGLLVEPSPHTVNTLFLT  
 NDLTEEVMEVLQKKADLILSYHPIFRPMKRITWNTWKERLVIRALENRVGIYSPHTAYDAAPQGVNWW  
 LAKGLGACTSRPIHPSKAPNYPTTEGNHRVEFNVNYTQDLKVMASVKGIDGVSVTSFSARTGNEEQTRIN  
 LNCTQKALMQVVDFLSRNKQLYQKTEILSLEKPLLLHTGMGRCLTLDSEVSLATMIDRIKRHLKLSHIRL  
 ALGVGRITLESQVKVVALCAGSGSVLQGVADLYLTGEMSHHDTLDAASQGINVILCEHSNTERGFSDL  
 RDMLDSHLENKINIILSETDRDPLQVV

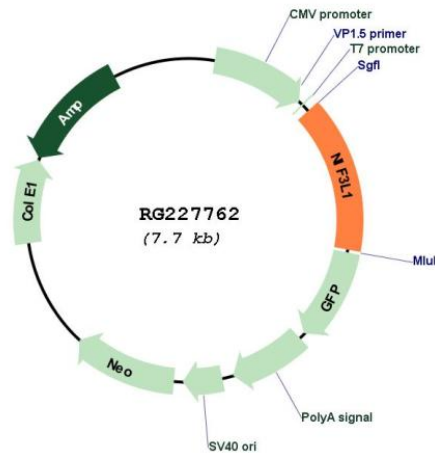
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001136039

<b>ORF Size:</b>	1131 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001136039.2</a> , <a href="#">NP_001129511.1</a>
<b>RefSeq Size:</b>	1497 bp
<b>RefSeq ORF:</b>	1134 bp
<b>Locus ID:</b>	60491
<b>UniProt ID:</b>	<a href="#">Q9GZT8</a>
<b>Cytogenetics:</b>	2q33.1
<b>Gene Summary:</b>	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]