

Product datasheet for **SC323963**

ALS2CR8 (CARF) (NM_024744) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | ALS2CR8 (CARF) (NM_024744) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | ALS2CR8 |
| Synonyms: | ALS2CR8; NYD-SP24 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC (PS100020) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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Fully Sequenced ORF: >OriGene sequence for NM_024744.13
 GAGAAAATGCTGCTGTGAAGACCCAATTAAGCTTTCACATAAATGAAGCTACAGCTATC
 ATGATTTAGTGCCCCAAAAGGAAGAACTTCAGTGGACAAGAAAGGACATTTCTGGGGGT
 AGTAGAATGCTTGAGGCCTGGAATTTAAACCTGAGCCACTATCTGAAGGTTAATATATC
 TTTGCCAAGTCCAAGGGTACAAAGATTTTCTCCTGTGTTTTCTTCTAGAAGTTTTATCAT
 TTGATAGTCTGTGATCCATTTCAAGTTGATTTGCTATCTGGTGTGAGCTATTAATAATA
 GAAGAAAATGGAATTGAATATGATGTGAGTGTGAGCAATCTAATGATTCATTAAGAGTC
 AACCATAAATGACGGTGAAGAGTCAAAAACCAAGTGTCAAGTATTTGAGCATCTAATCTGT
 ATGGACTCCAGGGATTCTTCTTTGGACAAAATGATTCTCCTACAGTTTTGCCCCACT
 ACTCGTGAAGCAAATAATCACTCATATCACAGAATATACCAGGGCCCTGACTCAGACA
 CAGACTCTTCTGCAGAGCAATTCATCTAGTGGACAAAATGGGCAGGCATTCAATAT
 GAACTTCAGTCATTGGGGGAATCCAATGCACAAATGATGATCGTTGCCAGCCCAACAGAA
 AATGGACAGGTACTTCGTGAATCCACCTACCCAGACAGGAATGGCACAAGTATTATA
 CCTCAGGGGCAACTTGTGGATGTGAATAGTCTCGGGATGTCCTGAAGAGAAACCCAGT
 AACAGAACTTACCAACTGTAAGAGTGGATACTCTAGCAGACAATACCAGCAATTACATT
 CTTTCATCCTCAAACATCCTTCCATTGCCAAAAGTCAAGTACCGGAATGCTGGAAGAA
 CCCCTTCTGGGGCCTCTCAGCCACTTTCTTCTAATACACCTATATGGGCCTGCCGTCTT
 AGGAGCTGTGAGAAAATTGGAGATTCATACCGTGGCTACTGTGTAAGTGAGACTGAATTA
 GAAAGTGTCTAACATTTCAAGCAGCAAAACACAGAGTGTGGGGGACCCGTCAGTCT
 CCAAGCCCAGCCAAGCCTGCTACACGCTTGATGTGAAATCCCAGTATGTTCCATATGAT
 GGAATCCCATTTGTTAATGCAGGGAGTAGAGCTGTGGTAATGGAGTGTGAGTATGGGCCA
 AGAAGAAAAGGTTTCCAGTTAAAAAAGTCAAGTACAGGAAAGCAGGTCTTGTGAGTCT
 TACAAAGCCACTTGTCCAGCTCGGATTTACATTAAGAGGTACAGAAGTTTCTGAAAT
 AGAGTTCTACAGACCCCAAAAATTGACAAGAAAATTATCAGAATGGAGCAGGAGAAAGCT
 TTTAACATGCTAAAGAAGAACTTGGTAGATGCTGGTGGTGTCTTAGGTGTATGTACAG
 TTACCTACACAGCAAGCTCATCAGTATCATGAATTAGAGACTCCCTGCCTCACTTTGTCA
 CCTTCTCCTTTTCTGTGCTTCTCTTGAAGAAGAGGAAACTGCAGTTAGAGATGAGAAT
 TGTGCATTACCCTCACGTTTACATCCTCAAGTAGCACATAAGATTCAAGAATTAGTATCA
 CAGGGAATAGAACAAGTGTATGCAGTAAGGAAACAGCTAAGAAAATTTGTGAAAGGGAA
 CTGTTCAAACCCGATGAGGTACCTGAAAGACATAATTTATCTTTGTTTCCAAGTAAAT
 GATATAAAAAATCACATCCATGAGGTACAGAAATCCTTGAGAAATGGAGTACGGTATAT
 AACTCAGAGATTATCCAGCAACGCTTCAATGGACTACAGACAGTGGGAATATTCTCAA
 GAGACCATGACAGTTACATTTGCAGAAGGAAATCACCAGGAGAATCAATTACCACAAA
 GTGGAACAAAATCAGACCAGGGTTCTTTGTCTCCTGAGCCAACCCACTGCTCTCCTCA
 CTCTCCTCATTTAGCCCAAAAATATTTACACAACCTACAGGGTTTGCAGTTACAACCAAGG
 TACACCTCTCCTGATGAATCACCAGCTGTGGTATCAGTAAATAACCAGCCGTCCTCTAGT
 CCTTCAGGACTTCTGGATACAATAGGAAGTGTGTAATGAATAAATTTCTACTGCTT
 GGTCAAAGTCATAGCCTTCAAAGAGATACATGCTTAACCCAAAACAATAGTACTGCCTC
 ACCATGGGTAACCTTCCAGAACCAGATCAAAATCTAGTTGCAATGGACGAGCTGGTAGAA
 GTTGGAGATGTTGAGGATACAGGGAATCTGGAAGGAACTGTTTCATCGGATTCTGTTGGGA
 GATGTGCAGACTATTCGAATACAGATTATAGACAACCACTCAGCTCTTATTGAAGAAAAT
 CCAGAAAGTACATTTCTGTGAGCCAAGTTAAACAAGAACCACAAAGAACCAGCATTGTCT
 ATGGAAGCAAAAAAAGTGTGGACTATAAGAAATTATCTGCTACATAAATATTGAAGCT
 TTTTCAATTTACAACCTCTGGTACTTCTGATGTCTTAGAAAGGAAGGTGAATATAGTCA
 AAGCGTGGCATTGAGATAATTGGACTGAAGACCAGTTTGTGAGAAGCTTTTATTTAAAA
 CTGATATATTTGTTGCCAGTTCATATTTTACCTTCTTAAGAGATGTTTTACTCTTCT
 TATTTTGTATAATTTTATGCTCTTTGATTATCTAATAAGGCCAGTATTTCAAAGCTGT
 TCTGAATTTATCCACAGTAATATAGTCTGAACACAAATAGTTTACTTAACTTATCCTTGG
 AAATATTCATTTTGGTTATTACAAAACAGAAAAGAACAACAGCAACAAAAA
 AAA

Restriction Sites: ECoRI-NOT

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| ACCN: | NM_024744 |
| 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: | <ol style="list-style-type: none">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_024744.13 , NP_079020.13 |
| RefSeq Size: | 4620 bp |
| RefSeq ORF: | 2178 bp |
| Locus ID: | 79800 |
| UniProt ID: | Q8N187 |
| Cytogenetics: | 2q33.2 |
| Gene Summary: | <p>Acts as a transcriptional activator that mediates the calcium- and neuron-selective induction of BDNF exon III transcription. Binds to the consensus calcium-response element CaRE1 5'-CTATTCGAG-3' sequence.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) has an alternate splice site and an additional exon in the 5' UTR, compared to variant 1. Variants 1, 2, 6 and 7 encode the same isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p> |