

## Product datasheet for **SC318208**

### ALS2CR8 (CARF) (NM\_024744) Human Untagged Clone

#### Product data:

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-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >SC318208 representing NM\_024744.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGAACAATCTAATGATTCATTAAGAGTCAACCATAATGACGGTGAAGAGTCAAAAACAGTGCTCAA
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TTGCCCATCACTACTCGTGAAGCAAATAATTCACTCATATCACAGAATATACCAGGGCCCTGACTCAG
ACACAGACTCTTTCTGCAGAGCAATTCCATCTAGTGGACCAAAAATGGGCAGGCTATTCAATATGAACTT
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CTAGCAGACAATACCAGCAATTACATTCTTCATCTCAAACATCCTTCCCATTGCCCAAAAAGTCAGTG
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CTGTTGGGAGATGTGCAGACTATCCAATACAGATTATAGACAACCCTCAGCTCTTATTGAAGAAAAT
CCAGAAAGTACCATTTCTGTGAGCCAAGTTAAACAAGAACCCTAAAGAACCAGCATTGTCTATGGAAGCA
AAAAAACTGTGGACTATAAGAAATTATCTGCTACATAAA
ACGGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_024744

**Insert Size:** 2178 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).

<b>OTI Annotation:</b>	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.
<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_024744.15</a>
<b>RefSeq Size:</b>	6253 bp
<b>RefSeq ORF:</b>	2178 bp
<b>Locus ID:</b>	79800
<b>UniProt ID:</b>	<a href="#">Q8N187</a>
<b>Cytogenetics:</b>	2q33.2
<b>MW:</b>	80.7 kDa
<b>Gene Summary:</b>	<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>