

Product datasheet for **MC228588**

Carf (NM_001285473) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Carf (NM_001285473) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Carf
Synonyms:	Als2cr8; ECBRC-FC1; ECBRC-FC2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC228588 representing NM_001285473
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGCAGCGTCATTCCTTAGCGGGCAACTGTGACGATGGTGAAGTCAAGAAAGAGAGGCTCAGGGAT
 TCGAGGATATGCCAGAGACTGACTGACACACAGGCCCTTCATGAAGAGCAATTCATCTTTGGACCA
 AAATGGGCAGCCTATTCAATATGATCTTCAGTCTTTGGAAATCTACTGCACAAATGACAGGGATGGAG
 CAAGTGGCCATACCTCAGGAGCCCTTTCAGATGAACATAGCCCTCAAGATATCTCTGAAGAGAAACCCA
 CTGGTGTAAAGAGCAGATGTTCTCGAAGACAGCACCAGCAATTACGGCCTTCGCTCACCAGCATCCCTCGT
 GCTACCCAAAAAGGCAGGAGCCAGACTTGTGAAGAACCCTTGTGGCTCCTCTCCAGCCACTTTCTTGT
 AACACACCCATGTGGCCTGCCGCTTAGGAGTTGTGAGAAAATTGGAGATTCTACCGTGGCTACTGTG
 TAAGTGAAGTGAATTAGAAAGTGCCTAACTTTTACAAGCAGCAAACACAGACTGTCTGGGGTACTCG
 CCAGTCTCCAAGCCAGCCAAACCTGCCACACGCTTGATGTGGAAGTCTCAGTATGTCCCATATGACGGA
 ATCCCATTTGTCAATGCAGGAAGTCGAGCTGTGGTAATGGAGTGTCAAGTATGGACCAAGGAGAAAAGTT
 TTCAGTAAAAAAATCAGTGAGCAAGAAAGTAGGTCTTGTCTATCTATAAAGCTACTTGTCCAGCCAG
 GATATACATTA AAAAGGTACAGAAATTTCTGAATATAGAGTACCTACAGACCCCAAAATGACAGGAAG
 ATAATCAGACTGGAGCAGGAGAAAGCCTTCACTATGCTGAAGAAGAACCTGATGGATGCTGGTGGTGTAC
 TTCGATGGTATGTGCAGTTACCTACACAGCAAGCTCATCAGTATCATGAATCAGAGACTCCTGGTGTCCC
 TTTGTACCGTACCTTTTCTATGTCTCCTCTTGAAGAAGAGGAAGCTATAGTCAGAGATGAGAAGTGT
 GCGTGGCCTCTCGTCTCCACCCGCAAGTAGCGCATAAGATTAGGAAGTGTGTCACAGGGAGTAGGAC
 AAGTGTATGCAGTAAGGAAGCAGCTAAGAAAATTTGTGGAAAGAGAACTGTTCAAACCTGATGAGTACC
 TGAAGACATAATTTATCTTATTTTCCAAGTAAATGATATAAAAAATCATATCCATGAGGTACAGAAA
 TCCTTGAGGACTGGAGATGTGGTATATAACTCAGAGATTATCCAGCAACGCTTCAAGTGGACGACAGATA
 GTGGGAACATCCTCAGAGAGACTGTAACAGTTACATTTGCAGAAGGAAATTTACTAGGAGAACCGATTCC
 CAGCAAAATGGGAACAAGTCAGACACAGACTGCTGTGTCTCCAGAGCCACTTTCTTCATTTCCACCCAAA
 ATATTTACACACTTTAGGCTTTGAAGTTACAGCCAAGACTCTCCTCTCCTGATGGCTCACAAAGCTTTGG
 TATCAGTAGATAGCCATGCATCCTCTAGTCTCCTGGCCTTGTGGATACTGTAGGAAATGCTGAAGTGA
 TAACCACTCTGTACTGCTTGGTCAGAGTCAAACCCCTGGGACAGATACATGCCTAACCAAGACAACAGC
 ACCTCCTCCTCCACGGGCCACTCCAGAAATCAGTTCCGAATCCAGTTGCAGAGGATCAGCTGCTGGAAG
 GTGAAGATGTTGAGGATGCAGGGAATCCGGAAGGAAGTAAATAGGACTCTGTTGGGAGATGTACAAAC
 CGTTCCAATACAGATCATAGACAGCCGTCAGTGTGTTGAAGAAAGTCTGTCTAAGAACCAAGTTAAA
 CAAGAAACCAATGAGCCAACACTGTCTACAGAAGCAAAAATTTCTGGACTGTAAAAAATATCTGCTA
 CA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001285473

Insert Size: 1965 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: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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:	<u>NM_001285473.1</u> , <u>NP_001272402.1</u>
RefSeq Size:	5291 bp
RefSeq ORF:	1965 bp
Locus ID:	241066
UniProt ID:	<u>Q8VHI4</u>
Cytogenetics:	1 C2
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 (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) has a shorter 5' UTR and uses an alternate in-frame splice site in the 5' coding region compared to variant 1. The encoded protein (isoform 3) is shorter than 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>