

Product datasheet for **SC311474**

ALS2CR4 (TMEM237) (NM_001044385) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ALS2CR4 (TMEM237) (NM_001044385) Human Untagged Clone
Tag:	Tag Free
Symbol:	ALS2CR4
Synonyms:	ALS2CR4; JBTS14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC311474 representing NM_001044385. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGAGGACTGACTCGGGGCTCGGCTGGAGGAGGGCCACCTGCGTCCTCCACGAGCTCTTCCACCTGTG
 CCAAGTCAAGATGATATTCACCTAGTCGTCCTAAGAAAAGAAGCCAGAACAAAAACACACCAGCA
 AGTGCTTCTTTGGAAGGCCTTGCTCAGACTGCTGGTCGAAGGCCCTCTGAGGGCAATGAGCCATCAACT
 AAAGAAGTCAAGAGCACCCAGAGGCTCCTGTTCAAAGAAGACAGAAAAAGACAAGGCTACCTCTTGAA
 TTGGAGACTTCTCCACCCAAAAGAAGTCATCTAGTTCATCTTTATTACGAAATGAAAATGGTATTGAT
 GCGGAGCCAGCTGAGGAGGCAGTTATTCAAAAACCTCGGAGGAAGACAAAGAAAACCCAGCCAGCAGAA
 TTACAGTATGCCAATGAGCTAGGAGTAGAAGATGAAGACATAATCACTGATGAGCAAACTACTGTGGAA
 CAGCAGTCTGTATTCAGTGCACCCACTGGCATTAGCCAGCCTGTAGGCAAAGTATTTGTGGAAAAAGC
 CGGAGATTCCAGGCTGCTGATCGTTAGAGTTGATAAAGACCACAGAAAACATAGATGTGTCAATGGAC
 GTGAAGCCTTCTGGACCACAGAGATGTGGCACTTACAGTGCACCGGCTTTCAGGATGATTGGTCTC
 TTTTCTCATGGATTCTTGCTGGCTGTGCTGTGTGGAATATTGTTGTGATATGTTCTAGCAGGAGAT
 CAGCTATCCAACCTCTCAAACCTTCTGCAACAATAAAGACCCTAGCGTATCCATTCCAGAGTCTTCTG
 TACTTGCTTTTGGCTCTGAGTACAATTTAGCTTTTGACAGGATTGACTTTGCTAAAATATCAGTAGCA
 ATCCGAAATTTTGGCCTGGATCCTACAGCTTTAGCATCTTTCTTGACTTTACTGCTCTTATACTA
 TCTCTGAGTCAGCAAAATGACAAGTGACAGAATCCACCTTTACACACCTTCTCTGTTAATGGTAGCCTC
 TGGGAAGCAGGAATTGAGGAACAGATTCTCCAGCCATGGATTGTGGTGAATCTCGTGGTGCTCTTCTG
 GTTGGATTATCTTGCTATTTTGTCTTATAGGCCAGGCATGGATCTTAGTGAAGAGTTAATGTTCTCC
 TCAGAGGTGGAAGAATATCCTGATAAAGAGAAAGAAATCAAAGCCTCTTCA**TAA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC

Restriction Sites: SgfI-MluI


[View online »](#)

ACCN:	NM_001044385
Insert Size:	1227 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:	<u>NM_001044385.2</u>
RefSeq Size:	5427 bp
RefSeq ORF:	1227 bp
Locus ID:	65062
UniProt ID:	<u>Q96Q45</u>
Cytogenetics:	2q33.1
Protein Families:	Transmembrane
MW:	45.5 kDa
Gene Summary:	The protein encoded by this gene is a tetraspanin protein that is thought to be involved in WNT signaling. Defects in this gene are a cause of Joubert syndrome-14. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2012] Transcript Variant: This variant (1) encodes the longer isoform (a). 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.