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Product datasheet for SC100580

ALS2CR4 (TMEM237) (NM_152388) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ALS2CR4 (TMEM237) (NM_152388) Human Untagged Clone
Tag:	Tag Free
Symbol:	ALS2CR4
Synonyms:	ALS2CR4; JBTS14
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_152388, the custom clone sequence may differ by one or more nucleotides

ATGGGGAAGAATCCTGTGCGTCCTCCACGAGCTCTTCCACCTGTGCCAAGTCAAGATGATATTCCACTTA
GTCGTCCTAAGAAAAAGAAGCCCAGAACAAAAAACACACCAGCAAGTGCTTCTTTGGAAGGCCTTGCTCA
GACTGCTGGTCGAAGGCCCTCTGAGGGCAATGAGCCATCAACTAAAGAACTCAAAGAGCACCCAGAGGCT
CCTGTTCAAAGAAGACAGAAAAAGACAAGGCTACCTCTTGAATTGGAGACTTCCTCCACCCAAAAGAAGT
CATCTAGTTCATCTTTATTACGAAATGAAAATGGTATTGATGCGGAGCCAGCTGAGGAGGCAGTTATTCA
AAAACCTCGGAGGAAGACAAAGAAAACCCAGCCAGCAGAATTACAGTATGCCAATGAGCTAGGAGTAGAA
GATGAAGACATAATCACTGATGAGCAAACTACTGTGGAACAGCAGTCTGTATTCACTGCACCCACTGGCA
TTAGCCAGCCTGTAGGCAAAGTATTTGTGGAAAAAAGCCGGAGATTCCAGGCTGCTGATCGTTCAGAGTT
GATAAAGACCACAGAAAACATAGATGTGTCAATGGACGTGAAGCCTTCCTGGACCACCAGAGATGTGGCA
CTTACAGTGCACCGGGCTTTCAGGATGATTGGTCTCTTTTCTCATGGATTCTTGGCTGGCTGTGCTGTGT
GGAATATTGTTGTGATATATGTTCTAGCAGGAGATCAGCTATCCAACCTCTCAAACCTTCTGCAACAATA
CAAGACCCTAGCGTATCCATTCCAGAGTCTTCTGTACTTGCTTTTGGCTCTGAGTACAATTTCAGCTTTT
GACAGGATTGACTTTGCTAAAATATCAGTAGCAATCCGAAATTTTTTGGCCCTGGATCCTACAGCTTTAG
CATCTTTCTTGTACTTTACTGCTCTTATACTATCTCTGAGTCAGCAAATGACAAGTGACAGAATCCACCT
TTACACACCTTCTTCTGTTAATGGTAGCCTCTGGGAAGCAGGAATTGAGGAACAGATTCTCCAGCCATGG
ATTGTGGTGAATCTCGTGGTGGCTCTTCTGGTTGGATTATCTTGGCTATTTTTGTCTTATAGGCCAGGCA
TGGATCTTAGTGAAGAGTTAATGTTCTCCTCAGAGGTGGAAGAATATCCTGATAAAGAGAAAGAAATCAA
AGCCTCTTCATAA

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_152388 unedited
TGTCAGATTTGTAACCGACTTCACTATAGGGCGGCACGCGCAATTCGGCACGAGGGCTGC
CTCGCCAGGCGCCACGAAGCCCCGGCGTCCCACAGGTCCCGGAGGCCGCTGCGTCGCGGG
GAGCTGGGCTCGGGCCGCCGGCGGTTGCGCCGGGGCAGCCCCGCGGGGAGAGCACCATGA
GGACTGACTCGGGGGCTCGGCTGGAGGAGGGCCACCTGCGTCCTCCACGAGCTCTTCCAC
CTGTGCCAAGTCAAGATGATATTCCACTTAGTCGTCCTAAGAAAAAGAAGCCCAGAACAA
AAAACACACCAGCAAGTGCTTCTTTGGAAGGCCTTGCTCAGACTGCTGGTCGAAGGCCCT
CTGAGGGCAATGAGCCATCAACTAAAGAACTCAAAGAGCACCCAGAGGCTCCTGTTCAAA
GAAGACAGAAAAAGACAAGGCTACCTCTTGAAAACGGCGTGTCTTGATTGGATGGAAGAA
TTATAGGAGTAGAAGGGCAGGAACTAGAAAAGTCAGGAGAATGGAGCATAATTTTGGAAG
AATTGGAGACTTCCTCCACCCAAAAGAAGTCATCTAGTTCATCTTTATTACGAAATGAAA
ATGGTATTGATGCCGGAGCAGCTGANGAGGCAGTTATTCAAAAACTTCGGAGAAGACAAA
GAAAACCCAGCCAGCAGAATTACAGTATGCCAATGAGCTANGAGTTGAAGATGAAGACCT
AATCCCTGATGAGCCAACTACTGTGGGACAACATTTTGTATCCCCTGGACCCACTGGGCT
TTAGCCAGCCTTGTAGCCAAATATTGGTGGGAAAAAAGCCGGGAATTTCCAGGCTGCTTG
TTCGTTTCAAGGTTGTATAAAGACCCCGAAAAACTAAATTGTGTCAGTGGCCTGAAGCCC
TTCCTGGACACCCCAAATGGGGCACTTACAGTGCCCGGGCTTCCAGATAG

Restriction Sites: NotI-NotI

ACCN: NM_152388

Insert Size: 4700 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).

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: NM_152388.1, NP_689601.1

RefSeq Size: 5592 bp

RefSeq ORF: 5592 bp

Locus ID: 65062

UniProt ID: Q96Q45

Cytogenetics: 2q33.1

Protein Families: Transmembrane

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 (2) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (b) has a shorter and distinct N-terminus compared to 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.