

Product datasheet for **RC216864**

ALS2CR4 (TMEM237) (NM_001044385) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ALS2CR4 (TMEM237) (NM_001044385) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ALS2CR4
Synonyms:	ALS2CR4; JBTS14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC216864 representing NM_001044385 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGACTGACTCGGGGCTCGGCTGGAGGAGGGCCACCTGCGTCTCCACGAGCTCTCCACCTGTGC
CAAGTCAAGATGATATCCACTTAGTCGTCCTAAGAAAAAGAAGCCAGAACAACAAACACACCAGCAAG
TGCTTCTTTGGAAGGCCCTTGCTCAGACTGCTGGTCAAGGCCCTCTGAGGGCAATGAGCCATCAACTAAA
GAACTCAAAGAGCACCCAGAGGCTCCTGTTCAAAGAAGACAGAAAAGACAAGGCTACCTCTTGAATTGG
AGACTTCTCCACCCAAAAGAAGTCATCTAGTTTCATCTTTATTACGAAATGAAAATGGTATTGATGCGGA
GCCAGCTGAGGAGGCAGTTATTCAAAACTCGGAGGAAGACAAAAGAAAACCCAGCCAGCAGAAATTACAG
TATGCCAATGAGCTAGGAGTAGAAGATGAAGACATAATCACTGATGAGCAAACTACTGTGGAACAGCAGT
CTGTATCACTGCACCCACTGGCATTAGCCAGCCTGTAGGCAAAGTATTTGTGAAAAAGCCGGAGATT
CCAGGCTGCTGATCGTTCAGAGTTGATAAAGACCACAGAAAACATAGATGTGCAATGGACGTGAAGCCT
TCCTGGACCACCAGAGATGTGGCACTTACAGTGACCCGGGCTTTCAGGATGATTGGTCTCTTTTCTCATG
GATTCTTGGCTGGCTGTGCTGTGTGGAATATTGTTGTGATATGTTCTAGCAGGAGATCAGCTATCCAA
CCTCTCAAACCTTCTGCAACAATAACAAGACCCTAGCGTATCCATTCCAGAGTCTTCTGTACTTGCTTTTG
GCTCTGAGTACAATTTAGCTTTTGACAGGATTGACTTTTGCTAAAATATCAGTAGCAATCCGAAATTTT
TGGCCCTGGATCCTACAGCTTTAGCATCTTTCTGTACTTTACTGCTCTTATACTATCTCTGAGTCAGCA
AATGACAAGTGACAGAATCCACCTTTACACACCTTCTTCTGTTAATGGTAGCCTCTGGAAGCAGGAATT
GAGGAACAGATTCTCCAGCCATGGATTGTGGTGAATCTCGTGGTGGCTCTTCTGTTGGATTATCTTGGC
TATTTTGTCTTATAGGCCAGGCATGGATCTTAGTGAAGAGTTAATGTTCTCCTCAGAGGTGGAAGAATA
TCCTGATAAAGAGAAAGAAATCAAAGCCTCTTCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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_001044385.3](#)

RefSeq Size: 5399 bp

RefSeq ORF: 1227 bp

Locus ID: 65062

UniProt ID: [Q96Q45](#)

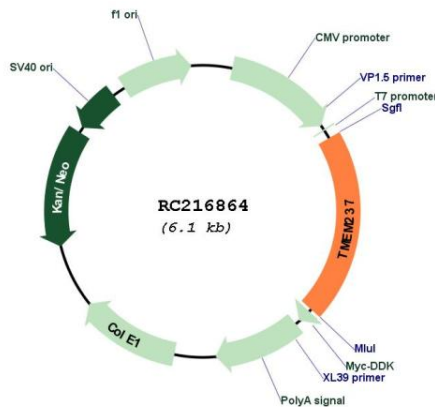
Cytogenetics: 2q33.1

Protein Families: Transmembrane

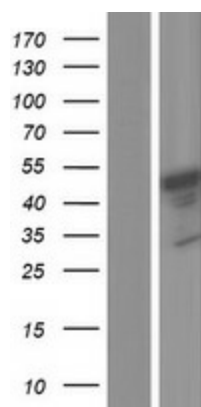
MW: 45.3 kDa

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]

Product images:



Circular map for RC216864



Western blot validation of overexpression lysate (Cat# [LY420824]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC216864 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).