

Product datasheet for **SC329847**

ALS2CR2 (STRADB) (NM_001206864) Human Untagged Clone

Product data:

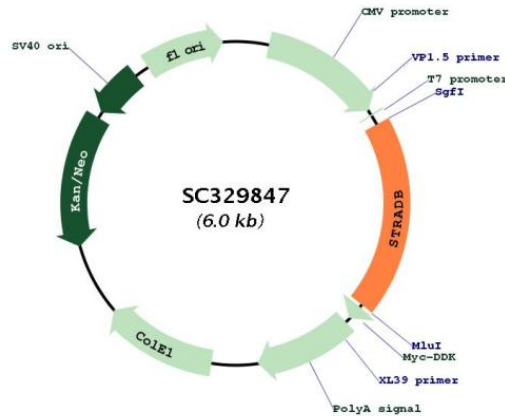
Product Type: Expression Plasmids
Product Name: ALS2CR2 (STRADB) (NM_001206864) Human Untagged Clone
Tag: Tag Free
Symbol: STRADB
Synonyms: ALS2CR2; CALS-21; ILPIP; ILPIPA; PAPK; PRO1038
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC329847 representing NM_001206864.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGTCCTTTTGGATTGCTTCTGCACTTCAAGAACAAGTTGAATCACTCAGACCTGAAAAACAGTCT
GAAACAGTATCCATCAATACTTGGTTGATGAGCCAACCCCTTCTGGTCACGTCCACTAGAGCC
AGTGAAGTACTATGTTCCACCAACGTTTCTCACTATGAGCTCCAAGTAGAAATAGGAAGAGGATTTGAC
AACTTGACTTCTGTCCATCTTGACGGCATACTCCACAGGAACACTGGTAACTATAAAAAATTACAAAT
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CCGTGGCTGAGTCCAGAACTACTGAGACAGGATTTACATGGGTATAATGTGAAGTCAGATATTTACAGT
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AGAATGAAAAATCCCAGTCAGGTGTAGACTCTGGGATTGGAGAAAGTGTGCTTGTCTCCAGTGGAACT
CACACAGTAAATAGTGACCGATTACACACACCCTCCTCAAAAACCTTCTCTCCTGCCTTCTTTAGCTTG
GTACAGCTCTGTTTGCAACAAGATCCTGAGAAAAGGCCATCAGCAAGCAGTTTATTGTCCCATGTTTTT
TTCAAACAGCCTTATTTTGGATTCTTTAA
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN: NM_001206864

Insert Size: 1134 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_001206864.1](#)

RefSeq Size: 2328 bp

RefSeq ORF:	1134 bp
Locus ID:	55437
UniProt ID:	Q9C0K7
Cytogenetics:	2q33.1
Protein Families:	Druggable Genome, Protein Kinase
MW:	42.4 kDa
Gene Summary:	<p>This gene encodes a protein that belongs to the serine/threonine protein kinase STE20 subfamily. One of the active site residues in the protein kinase domain of this protein is altered, and it is thus a pseudokinase. This protein is a component of a complex involved in the activation of serine/threonine kinase 11, a master kinase that regulates cell polarity and energy-generating metabolism. This complex regulates the relocation of this kinase from the nucleus to the cytoplasm, and it is essential for G1 cell cycle arrest mediated by this kinase. The protein encoded by this gene can also interact with the X chromosome-linked inhibitor of apoptosis protein, and this interaction enhances the anti-apoptotic activity of this protein via the JNK1 signal transduction pathway. Two pseudogenes, located on chromosomes 1 and 7, have been found for this gene. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2011]</p> <p>Transcript Variant: This variant (2) has an alternate splice site in the 3' coding region, resulting in a longer transcript and a reading frame-shift, compared to variant 1. The resulting isoform (2) has a shorter and distinct C-terminus, compared to isoform 1.</p>