

Product datasheet for SC112877

C2orf43 (LDAH) (NM_021925) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C2orf43 (LDAH) (NM_021925) Human Untagged Clone
Tag:	Tag Free
Symbol:	C2orf43
Synonyms:	C2orf43; hLDAH
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_021925, the custom clone sequence may differ by one or more nucleotides

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ATGGACTCAGAACTCAAGGAAGAAATTCCTGTGCATGAGGAATTCATTTTGTGTGGTGGAGCCGAAACCC
AGGTTCTAAAAATGTGGGCCCTGGACAGACCTCTTTCATGATCAAAGTGTCAAAGGCCTAAGCTGCTTAT
TTTCATTATTCTGGTAACCCAGGTTTTCTGCCTTTTATGTGCCATTTGCAAAGGCTTTATACTCTTTG
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TTCTTACAACATCAGAGGATTCAAACGCTCAAGAAATTAAGGACATTTATGGACTAAATGGACAAATAGA
GCACAAACTAGCTTTCCTGAGAACTCATGTGCCAAAGGACATGAACTTGTGCTCATTGGCCATTCAATA
GGCAGCTATTTACACTTCAGATGCTGAAGCGAGTCCCTGAGCTCCCGTAATTCGTGCCTTTCTGCTCT
TTCCAACAATTGAACGAATGTCTGAGTCACCCAATGGCAGAAATTGCCACTCCACTTTTGTGCTGGTTTCG
ATATGTTCTCTATGTTACTGGCTACTTATTATTGAAACCGTGTCTGAGACAATCAAGTCCTTGCTAATC
AGAAGGGGCCCTTCAAGTAATGAACCTAGAGAATGAATTTTACCATTGAATATATTAGAACCATTCTGCC
TTGCTAATGCTGCCTACCTTGGGGGCCAAGAAATGATGGAGGTGGTGAAGAGAGATGACGAAACCATAAA
GGAGCATTTATGTAAGCTTACATTTTATTATGGTACTATAGATCCTTGGTGTCCAAAAGAGTACTATGAA
GACATTAAGAAGGATTTTCCAGAAGGAGACATTCGACTCTGTGAGAAAAACATACCTCATGCTTTCATCA
CCCATTTTAACCAGGAAATGGCAGACATGATTGCTGACTCCCTAAAGGATGACTTGTCCAAATGTAA
  
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_021925 unedited
 TTGTAATACGAACTCACTATAGGGCGGCCGCAATTTCGCACGAGGGGACCCTCAGGGAGA
 GCGGGCAGCCTTCCAGTGGACAGAAATGGACTCAGAACTCAAGGAAGAAATTCCTGTGCA
 TGAGGAATTCATTTTGTGTGGTGGAGCCGAAACCCAGGTTCTAAAATGTGGGCCCTGGAC
 AGACCTCTTTCATGATCAAAGTGTCAAAGGCCTAAGCTGCTTATTTTCATTATTCCTGG
 TAACCCAGGTTTTCTGCCTTTTATGTGCCATTTGCAAAGGCTTTATACTCTTTGACAAA
 CAGACGCTTTCCAGTTTGGACTATCAGTCATGCTGGGCATGCGTTGGCTCCCAAAGACAA
 GAAGATTCTTACAACATCAGAGGATTCAAACGCTCAAGAAATTAAGGACATTTATGGACT
 AAATGGACAAATAGAGCACAACCTAGCTTTCCTGAGAACTCATGTGCCAAAGGACATGAA
 ACTTGTGCTCATTGGCCATTCAATAGGCAGCTATTTACACTTCAGATGCTGAAGCGAGT
 CCCTGAGCTCCCGGTAATTCGTGCCTTTCTGCTCTTTCCAACAATTGAACGAATGTCTGA
 GTCACCCAATGGCAGAATTGCCACTCCACTTTTGTGCTGGTTTCGATATGTTCTCTATGT
 TACTGGCTACTTATTATTGAAACCGTGTCTGAGACAATCAAGTCCTTGCTAATCAGAAG
 GGGCCCTTCAGTAATGAACCTAGAGAATGAATTTTACCATTGAATATATTAGAACCATT
 CTGCCTTGCTAATGCTGCCTACCTTGGGGGCCAAAAAATGATGGAAGTGGGGGAAGAGAG
 ATGACCAAACCTAAAGGAGCTTTTATGTAACCTTACTTTTTTT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_021925 unedited
 NTTTTCTTTGGCCGCGGCCGCAATCTANATCGAGTTTTTTTTTTTTTTTTTTTGCAGGAGA
 AAGCATGGTGGGGTTTTAAAAATAATTATTTTACAAATCTAAAACATCTCAAACCTCC
 AAAAAATCTGCAAGTACAAAGAACATTATTTCCCTCAACCATCTGACAGTAAACAGAC
 ATGATGCCCTCACCCCCAGATACCTCAGTGTCTCCAGTACAAACAAGGACACTCTCTTA
 CTTCTTCCAGTACAACCACTGAAATCAGAAAAATTAACAGTGGCATCTTACTCCCAGCTA
 ATCTTCAGACCTATTCAAGTTGTGCAAATGTCTCAACAATGTCTTTATAACAAAAAC
 ATCCAATTCAGAATCAGATGTTGTGTCCAATTGTCTCATGTCTCTCAGTCTCCTTGAAATT
 GCTTTTTTTTTTTTGTCTTTTTTAAAAATTATTTTAGACACGAGGTCTCGTTTTTTGCA
 CGGGCTGGTCTCAAACCTCCTAGCCTCAAACGATCTTCCAGCTCATCCTCCCAAAGTGCT
 GGGATCACAGGTGTGAGCTACGGCACCCAGCCTGTTTGTGTTGAATATAATGTANGATGA
 AGAAAAATCAAGCCTTTGGTGGTCCGTGTCTCTCAAAGGTTGAGTGGAGAACCCTATGG
 TGAGAGGCCCTTGGTGGCCATGGACATCAGGCCACACAAGCCACAGAGGGCCTTGTGGAG
 ATGCTTATGGCTGGGAACAGACTAGGAACCAAAACGGGTGTGGCCAAAGCTCAATCGCT
 GAGCACTCCGGAACCTCTGCAAGAAGCTTAAACTTTTTCCAACGACCATTCCATGGTGG
 GTGACCTGGGACATAAAGGCCAAAGCCTCTTTTCGGGAAAAGGAATCTCCTCCACGTG
 TTGGCCATTTTAAGCTAAACCTAAGGAAAACGAAAGG

Restriction Sites:

NotI-NotI

ACCN:

NM_021925

Insert Size:

4320 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:	<u>NM_021925.1, NP_068744.1</u>
RefSeq Size:	2877 bp
RefSeq ORF:	978 bp
Locus ID:	60526
UniProt ID:	<u>Q9H6V9</u>
Cytogenetics:	2p24.1
Protein Families:	Druggable Genome
Gene Summary:	Serine lipid hydrolase associated with lipid droplets. Highly expressed in macrophage-rich areas in atherosclerotic lesions, suggesting that it could promote cholesterol ester turnover in macrophages.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest 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.