

Product datasheet for **RG203367**

C2orf43 (LDAH) (NM_021925) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C2orf43 (LDAH) (NM_021925) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C2orf43
Synonyms:	C2orf43; hLDAH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203367 representing NM_021925 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACTCAGAACTCAAGGAAGAAATTCCTGTGCATGAGGAATTCATTTTGTGTGGTGGAGCCGAAACCC
AGGTTCTAAAATGTGGGCCCTGGACAGACCTCTTTCATGATCAAAGTGCAAAGGCCTAAGCTGCTTAT
TTTCATTATTCCTGGTAACCCAGGTTTTCTGCCTTTTATGTGCCATTTGCAAAGCCTTATACTCTTTG
ACAAACAGACGCTTCCAGTTTGGACTATCAGTCATGCTGGGCATGCGTTGGCTCCCAAAGACAAGAAGA
TTCTTACAACATCAGAGGATTCAAACGCTCAAGAAATTAAGGACATTTATGGACTAAATGGACAAATAGA
GCACAACTAGCTTTCCTGAGAACTCATGTGCCAAAGGACATGAAACTTGTGCTCATTGGCCATTCAATA
GGCAGCTATTTACACTTCAGATGCTGAAGCGAGTCCCTGAGCTCCCGTAATTCGTGCCTTTCTGCCT
TTCCAACAATTGAACGAATGTCTGAGTACCCCAATGGCAGAATTGCCACTCCACTTTTGTGCTGGTTTCG
ATATGTTCTCTATGTTACTGGCTACTTATTATTGAAACCGTGTCTGAGACAATCAAGTCCTTGCTAATC
AGAAGGGCCCTTCAAGTAATGAACCTAGAGAATGAATTTTACCATTGAATATATTAGAACCATTCTGCC
TTGCTAATGCTGCCTACCTTGGGGCCAAGAAATGATGGAGGTGGTGAAGAGAGATGACGAAACCATAAA
GGAGCATTTATGTAAGCTTACATTTTATTATGGTACTATAGATCCTTGGTGTCCAAAAGAGTACTATGAA
GACATTAAGAAGGATTTCCAGAAGGAGACATTCGACTCTGTGAGAAAAACATACCTCATGCTTTCATCA
CCCATTTTAACCGAAATGGCAGACATGATTGCTGACTCCCTAAAGGATGACTTGTCCAAAATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG203367 representing NM_021925
 Red=Cloning site Green=Tags(s)

MDSSELKEEIPVHEEFILCGGAETQVLKCGPWTDLFHDQSVKRPKLLIFIIPGNPGFSAFYVPFAKALYSL
 TNRRFPVWTISHAGHALAPKDKKILTTSEDSNAQEIKDIYGLNGQIEHKLAFLRTHVPKDMKLVLIHGSI
 GSYFTLQMLKRVPELPIVIRAFLLFPTIERMSESPNGRIATPLLWCFRYVLYVTGYLLKPCPETIKSLLI
 RRGLQVMNLENEFSPLNILEPFCLANAAYLGGQEMMEVVKRDEDETIKEHLCKLTFYYGTIDPWCPKEYYE
 DIKKDFPEGDIRLCEKNIPHAFITHFNQEMADMIADSLKDDLKSKM

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_021925

ORF Size: 975 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_021925.4](#)

RefSeq Size: 2877 bp

RefSeq ORF: 978 bp

Locus ID: 60526

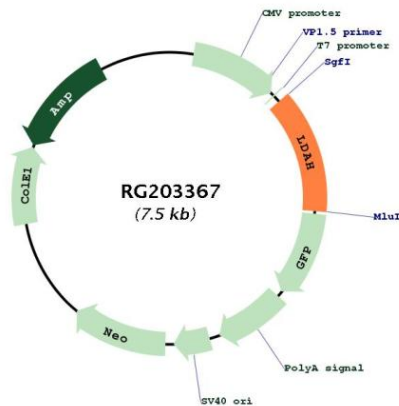
UniProt ID: [Q9H6V9](#)

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]

Product images:



Circular map for RG203367