

Product datasheet for RC219555

LASS6 (CERS6) (NM_203463) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	LASS6
Synonyms:	CERS5; LASS6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC219555 representing NM_203463 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAGGGATCTTAGCCTGGTTCTGGAACGAGAGGTTTTGGCTCCCGCACAATGTCACCTGGGCGGACC
 TGAAGAACACGGAGGAGGCCACCTTCCCGCAGGCTGAGGACCTCTATCTCGCTTTTCCCTGGCCTTCTG
 TATCTTCATGGTGGGCTCATCTTCGAGAGATTGTAGCCAAACCGTGCGCCATAGCCCTCAACATTCAG
 GCCAATGGACCACAAATTGCTCCGCCCAATGCCATTCTGGAAGAGTCTCACTGCAATTACAAAGCATC
 CTGATGAAAAGAGATTGGAAGGCCTCTCCAAGCAACTGGACTGGGATGTTTCAAGCATTACGCGCTGGTT
 TCGACAAAGACGCAATCAGGAGAAGCCAAGCACGCTGACGAGGTTCTGTGAGAGCATGTGGAGATTTTCA
 TTTTACCTTTATGTATTTACCTACGGAGTCAGATTCTGAAAAAGACCCCTGGTTGTGGAATACGAGGC
 ATTGCTGGTACAACCTACCCCTATCAGCCACTCACAACCTGACCTTCACTACTATTACATCCTGGAGCTGTC
 GTTTTATTGGTCTTTGATGTTTTCTCAGTTCAGTATCAAAAGAAAGGACTTTGGCATTATGTTCTG
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 TCCTTTGTCTTCATGATTCAGCTGATGCTCTTCTGGAGGCTGCCAAAATGGCAAATTATGCCAAGTTTCA
 GAAAATGTGTGATCTCCTGTTTGTATGTTTGCCGTGGTTTTATCACCACACGACTGGGTATATTTCT
 CTCTGGGTGTTAAATACCACATTATTTGAAAGCTGGGAGATCGTTGGACCTTACCCTTCTGGTGGGTTT
 TTAACCTACTGCTATTGCTAGTACAAGGTTGAACTGCTTCTGGTCTTACTTGATTGTGAAAATAGCTTG
 CAAAGCTGTTTCAAGAGGCAAGGTGTCCAAGGATGATCGAAGTGATATTGAGTCTAGCTCAGATGAGGAG
 GACTCAGAACCTCCGGGAAAGAATCCCCACACTGCGACAACCAATGGGACCAGTGGTACCAACGGGT
 ATCTCCTGACTGGCTCCTGCTCCATGGATGAT

A**CGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC219555 representing NM_203463
 Red=Cloning site Green=Tags(s)

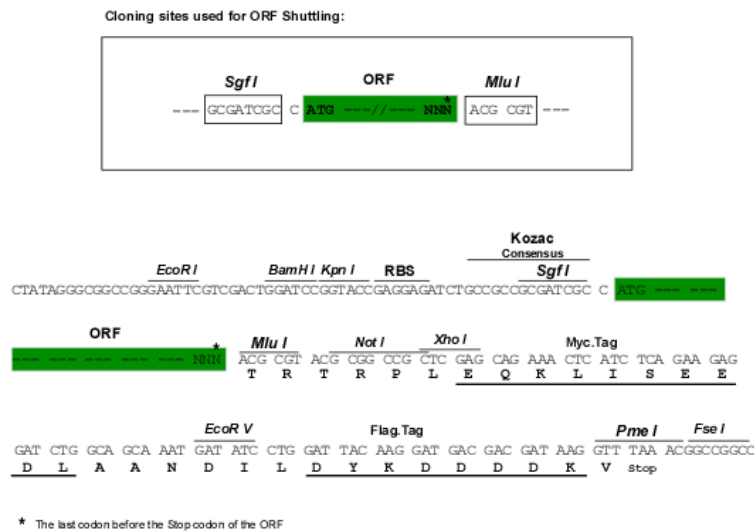
MAGILAWFWNERFWLPHNVTWADLNTEETFPQAEDLYLAFPLAFCIFMVRLIFERFVAKPCAIALNIQ
 ANGPQIAPPNAILEKVFTAITKHPDEKRLEGLSKQLDWDVRSIQRWRQRRNQEKPSLTRFCESMWRFS
 FYLYVFTYGVRFLLKTPWLWNRHCWYNYPYQPLTTDLHYYYILELSFYWSLMFSQFTDIKRKDFGIMFL
 HHLVSIIFLITFSYVNNMARVGTLLVCLHDSADALLEAAKMANYAKFQKMDLLFVMFAVVFITTRLGIFP
 LWVLNTTLFESWEIVGPYPSPWWVFNLLLLLVQGLNCFWSYLIVKIACKAVSRGKYSKDDRSDIESSDDEE
 DSEPPGKNPHTATTNGTSGTNGYLLTGSCSMDD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8014_a03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_203463

ORF Size: 1152 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_203463.3](#)

RefSeq Size: 6259 bp

RefSeq ORF: 1155 bp

Locus ID: 253782

UniProt ID: [Q6ZMG9](#)

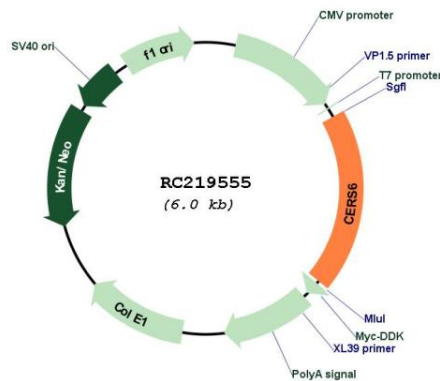
Cytogenetics: 2q24.3

Protein Families: Druggable Genome, Transmembrane

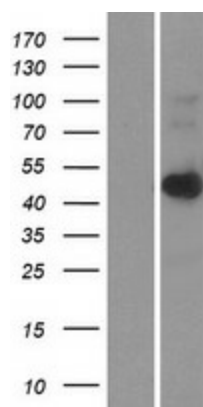
MW: 44.7 kDa

Gene Summary: May be involved in sphingolipid synthesis or its regulation.[UniProtKB/Swiss-Prot Function]

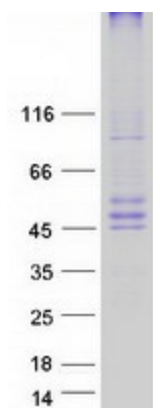
Product images:



Circular map for RC219555



Western blot validation of overexpression lysate (Cat# [LY404278]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC219555 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CERS6 protein (Cat# [TP319555]). The protein was produced from HEK293T cells transfected with CERS6 cDNA clone (Cat# RC219555) using MegaTran 2.0 (Cat# [TT210002]).