

Product datasheet for **RG219555**

LASS6 (CERS6) (NM_203463) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LASS6 (CERS6) (NM_203463) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LASS6
Synonyms:	CERS5; LASS6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG219555 representing NM_203463 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGCAGGGATCTTAGCCTGGTTCTGGAACGAGAGGTTTTGGCTCCCGCACAATGTCACCTGGGCGGACC
 TGAAGAACACGGAGGAGGCCACCTTCCCGCAGGCTGAGGACCTCTATCTCGCTTTTCCCTGGCCTTCTG
 TATCTTCATGGTGCGGCTCATCTCGAGAGATTGTAGCCAAACCGTGCCTAGCCCTCAACATTCAG
 GCCAATGGACCACAAATTGCTCCGCCAATGCCATTCTGAAAAGGTCTTCACTGCAATTACAAAGCATC
 CTGATGAAAAGAGATTGGAAGGCCTCTCAAGCAACTGGACTGGGATGTTTGAAGCATTACGCGCTGGTT
 TCGACAAAGACGCAATCAGGAGAAGCAAGCACGCTGACGAGGTTCTGTGAGAGCATGTGGAGATTTTCA
 TTTTACCTTTATGTATTTACCTACGGAGTCAGATTCTGAAAAAGACCCCTGGTTGTGGAATACGAGGC
 ATTGCTGGTACAACCTACCCCTATCAGCCACTCACAACCTGACCTTCACTACTATTACATCTGGAGCTGTC
 GTTTTATTGGTCTTTGATGTTTTCTCAGTTCAGTATCAAAAGAAAGGACTTTGGCATTATGTTCTG
 CACCACCTTGATCTATTTTCTTGATTACCTTTTCATATGTCAACAATATGGCCGAGTAGGAACGCTGG
 TCCTTTGTCTTCATGATTCAGCTGATGCTCTTCTGGAGGCTGCCAAAATGGCAAATTATGCCAAGTTTCA
 GAAAATGTGTGATCTCCTGTTTGTATGTTTGGCGTGGTTTTATCACCACACGACTGGGTATATTTCT
 CTCTGGGTGTTAAATACCACATTATTTGAAAGCTGGGAGATCGTTGGACCTTACCCTTCTGGTGGGTTT
 TTAACCTACTGCTATTGCTAGTACAAGGTTGAAGTCTTCTGGTCTTACTTGATTGTGAAAATAGCTTG
 CAAAGCTGTTTCAAGAGGCAAGGTGTCAAGGATGATCGAAGTGATATTGAGTCTAGCTCAGATGAGGAG
 GACTCAGAACCTCCGGGAAAGAATCCCCACACTGCGACAACCAATGGGACCACTGGTACCAACGGGT
 ATCTCCTGACTGGCTCCTGCTCCATGGATGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >RG219555 representing NM_203463
 Red=Cloning site Green=Tags(s)

MAGILAWFNERFWLPHNVTWADLKNTTEATFPQAEDLYLAFPLAFCIFMVRLIFERFVAKPCAIALNIQ
 ANGPQIAPPNAILEKVFTAITKHPDEKRLEGLSKQLDWDVRSIQRWRQRRNQEKPSLTRFCESMWRFS
 FYLYVFTYGVRFLLKTPWLWNRHRCWYNYPYQPLTTDLHYYYILELSFYWSLMFSQFTDIKRKDFGIMFL
 HHLVSIPLITFSYVNNMARVGTLLVCLHDSADALLEAAKMANYAKFQKMCDDLFFVMFAVVFITTRLGIFP
 LWVLNNTTLFESWEIVGPYPYSWWVFNLLLLLVQGLNCFWSYLIVKIACKAVSRGKVSCKDDRSDISSSDEE
 DSEPPGKNPHTATTNGTSGTNGYLLTGSCSMDD

TRTRPLE - GFP Tag - V

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.

RefSeq: [NM_203463.3](#)

RefSeq Size: 6259 bp

RefSeq ORF: 1155 bp

Locus ID: 253782

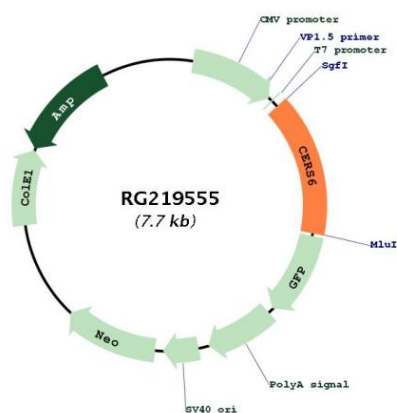
UniProt ID: [Q6ZMG9](#)

Cytogenetics: 2q24.3

Protein Families: Druggable Genome, Transmembrane

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

Product images:



Circular map for RG219555