

Product datasheet for **MC202538**

Cers5 (NM_028015) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cers5 (NM_028015) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cers5
Synonyms:	2310081H14Rik; AU045339; AW544927; Lass5; Trh4
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC046797 sequence for NM_028015
 GGGCGGCTGGGAGGACCCAGGGACGGAAGAGGGTGGCCGTAGGCCGGGCCCGCCTCGGGGCCGCTCCC
 AGCGGGTTCTTTTGCCTTGACTGCCTCCGAGGCTGTGGCGGCAGTGGCCGCCGGGCGCGCGTAAGATGG
 CGACTGCAGCAGCGAAACCCCTGGGCTCCTGTGGGGTTGGCTGTGGAGCGAGAGCTTCTGGCTGCCTCA
 GAACGTGAGCTGGGCGGACCTGGAGGGCCCGGGCAGCGCTACGGCTACCCGCGCGCCAGCAGCTGCTG
 TCGGTGTTCCCGCTGGCAGTGTGCATCTTCTCCGTGAGGATGCTGTTTGAAGCGATTTATTGCCAAGCCCT
 GTGCACTCCGTGTTGGCATTAAAGACAGTCTGTCAATAAGGTGGAACCCAATGACACCCTTGAGAAGGT
 GTTCGTATCTGTTACTAAGTATCCTGATGAGAAAAGTTGAAGGCCATCAAAGCAACTGGACTGGAGT
 GTTCGAAAAATCCAATGCTGGTTTCGCCATCGGAGGAATCAGGACAAGCCTCCAACGCTCACGAAATTC
 GTGAAAGCATGTGGAGATCACTTATTATTATGTATCTTCTGCTACGGAATCAGATTTCTCTGGTCGAT
 GCCTTGGTTCTGGGATACCCGACAGTGTGGTACAACATCCGTATCAGCCACTCTCGAGAGAGCTGTAT
 TACTATTACATCACAACTGGCTTTCTACTGGTCTCTTATGTTTTCTCAGTTTATAGATGTTAAAAAGAA
 AGGACTTCTGATGATGTTTATTCATCATATGATTGGCATTATGCTCACCCTTTCTCTACGCAACAA
 CATGGTGGAGTGGGAGCACTCATTTCTGTCTGCATGACTTCGAGACCCCTTACTGGAAGCTGCCAAG
 ATGGCCAATTATGCCAGCGTGAGCGGCTCTGTACCACCCTTTTGTGATCTTTGGCGCAGCTTTTATAG
 TTTCTCGTCTAGCAATCTCCCATTGTGGATTCTGAACACAACCCCTTTTGAAAGCTGGGAGATTATTGG
 GCCCTACCTTCTGGTGGCTCTCAATGCCCTTCTCCTGATCCTGCAGGTGCTCCATGCCATCTGGTCC
 TACCTAATTGTCCAGACTGCTTCCAAGCCTTGAGCCGGGGAAAGGTGTCTAAGGATGACCGCAGTGATG
 TAGAGAGCAGCTCAGAGGAAGAAGATGAGACAACCCACAAAAACAACCTCTCTGGCAGCAGCTTAGCAA
 TGGTGGCAACTGCATGAACGGCTACATGGGAGGCAGCCACTTGGCTGAAGAGCAGGGGACTTGTAAGCC
 ACTGGCAACCTACATTTTAGGGCCTCCCCACATCTACACTCCTGTGACTAGAGGGACTGCAAGGCACTGA
 GGAGAATCAAAGAAATATTTTGTGTTTTAAAGAACTCGCCGTTTTGTATTTAATGCCCTCTGGTCCCT
 TTCAGTAAGGTTATTGGCTCTGTGTTTTGTGGTTTTTGTGTGATTATACATGTGATTGTGTCATATA
 AATGAGTTTCATTGACTCGGTTGGGACACAATTCTGGATTACTAGTCATTGTCTGGTCACTTCTGAGCCC
 ACCTCAAGTCCAGCCCTGGCTGCATCTTGAATTAAGCTGTCTCCAGACCTCTGTGACCTCGTCCCATGG
 CTCTTGAGACTCTGGTTCCTGATCACTTAAATAAGTGCTGTACCAGACTCAGCTCCAGGACTTGAAAA
 TTGTTCTTTTGGAGGAGGAAGTAATATTTACCTGATGGAACACTACCCAGGATCAACATAGCTCTAGC
 TACATGTCCCCTTCTATCACCTGCTAGTGGCAGGACAACACTACATACCCTGCTGCTTATTTAATGGTAT
 GCAGGGAGGGGAGGGTAGGAGAGGATGAGCTGAGATTTGGAGAGCAGCAGCCACTGGTTGCGCTGTTAA
 TGATTTTATACTATTGCTTATTCTTCTGTGATTAATTTCAACCCTCAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Ascl-NotI

ACCN: NM_028015

Insert Size: 1245 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: [BC046797](#), [AAH46797](#)

RefSeq Size: 2050 bp

RefSeq ORF: 1245 bp

Locus ID: 71949

UniProt ID: [Q9D6K9](#)

Cytogenetics: 15 F1

Gene Summary: Dihydroceramide synthase. Catalyzes the acylation of sphingosine to form dihydroceramide, with high selectivity toward palmitoyl-CoA as acyl donor compared to stearyl-CoA. Inhibited by fumonisin B1.[UniProtKB/Swiss-Prot Function]