

Product datasheet for MC215129

Cers3 (NM_001164201) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cers3 (NM_001164201) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cers3
Synonyms:	4930550L11Rik; Gm488; Lass3; T3L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC215129 representing NM_001164201 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGTGTGTTGCTCTTGAGAACAAAGCTGCCTGGAACGGGAAGCCTCTCCAGTTGCTCCACAGGCG
AGGAGTATCCTGTGCAGACTGGCGCTTTGGGAAGAAGAATGTTTCAGACGTTTAGAAAATGGTTCTGGTC
GGAGAGATACTGGCTTCTCCAACAATAAAGTGGTCAGACCTGGAAGATCATGATGGGCTTGTCTTCGTG
AAAGTCTCCACTTATACATCACAATTCATATGCCTTTCTTTAATGGTCGTCAGATACTCTTTGAAA
AGTTTGTGCTACACCTTAGCAAATGCACTTGGCATTAAAAAGACACAGCACAAAATTAACCAAATGC
CATCTTAGAGAATTTTTCAAGCATTCCACAAGCAAACCATCACATACTGATATTTATGGACTGGCAAAG
AAGTGTAACTTGACAGAGCGCCAGGTTGAAAGATGGCTTAGGATTCGGCAGAAGCAAAACAAGCCTTGCA
GGCTGCAGAAATCCAGGAGTCTTGCTGGCGATTTACATTTTACTTGTGATAACCATGGCTGGAGCTGT
ATTTCTGTATGACAAACCATGGGCATATGACCTCTGGGAGGTTTGGAAATGACTATCCAGACAGCCTTTG
CTGCCGTCCCAGTACTGGTACTACATTTTGGAGATGAGTTTTATTGGTCACTGGTGTAGCCTGAGCA
CTGATATCAAGAGGAAGGACTTCTCGCTCATGTATCCACCACCTGGCTGCTATTAGTCTGATGAGCTT
CTCCTGGTGTGCTAATTACATTCGAGTGGGACCCTCGTGATGTTTATTCATGATATATCTGACATTTGG
CTAGAGCTGCTAAGATGTTTTCTATGCTGGATGGAAGCAGACGTGTAACACCCTGTTTCTCATCTTCA
CCGTGCTTCTTCAATTAGCCGATTCAATTTTTCCATTCTGGATTCTGTACTGCACTCTGATCCTGCC
TTTGCATATCTCGAGCCCTTCTCTCCTACATCTTCTCAACCTCCAACCTCATGATCCTTCAGGGCCTC
CACGTTTACTGGGTTACTTTATCCTGAAGATGCTCAACAGATGCATATTCACGCAGAACGTCAGGATG
TGAGGAGTGACAACGAAGAGGAAGAGGAAGAGGAGGGAAGAGGAAGCAGAGAGCACCAAGGGCAAAGA
GACAGAGTATTTGAAGAATGGCCTTGGGACCAACAGGCATCTCATTGCCAATGGTCAGCATGGCCGT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001164201
Insert Size:	1260 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:	<ol style="list-style-type: none">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_001164201.1</u> , <u>NP_001157673.1</u>
RefSeq Size:	3251 bp
RefSeq ORF:	1260 bp
Locus ID:	545975
UniProt ID:	<u>Q1A3B0</u>
Cytogenetics:	7 C
Gene Summary:	Has (dihydro)ceramide synthesis activity with relatively broad substrate specificity, but a preference for C18:0 and other middle- to long-chain fatty acyl-CoAs. It is crucial for the synthesis of very long-chain ceramides in the epidermis, to maintain epidermal lipid homeostasis and terminal differentiation (By similarity).[UniProtKB/Swiss-Prot Function]