

Product datasheet for MR206047

Lass5 (BC043059) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lass5 (BC043059) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Lass5
Synonyms: 2310081H14Rik; AU045339; AW544927; Lass5; Trh4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR206047 representing BC043059
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGACTGCAGCAGCGGAAACCCTGGGCTCCTGTGGGTTGGCTGTGGAGCGAGAGCTTCTGGCTGC
 CTCAGAACGTGAGCTGGGCGGACCTGGAGGGCCCGGGCGACGGCTACGGCTACCCGCGCGCCAGCACGT
 GCTGTCGGTGTCCCGCTGGCAGTGTGCATCTTCTCCGTGAGGATGCTGTTTGAGCGATTATTGCCAAG
 CCCTGTGCACTCCGTGTTGGCATTAAAGACAGTCTGTCAATAAGGTGGAACCCAATGACACCCTTGAGA
 AGGTGTTTCGTATCTGTTACTAAGTATCCTGATGAGAAAAGGTTGAAGGGCCTATCAAAGCAACTGGACTG
 GAGTGTTCGAAAAATCCAATGCTGGTTTTCGCCATCGGAGGAATCAGGACAAGCCTCCAACGCTCACGAAA
 TTCTGTGAAAGCATGTGGAGATTCACCTATTATTTATGTATCTTCTGCTACGGAATCAGATTTCTCTGGT
 CGATGCCTTGGTTCTGGGATACCCGACAGTGTGGTACAACATCCGTATCAGCCACTCTCGAGAGAGCT
 GTATTACTATTACATCACACAACCTGGCTTTCTACTGGTCTTTATGTTTTCTCAGTTTATAGATGTTAAA
 AGAAAGGACTTCCTGATGATGTTTATTCATCATATGATTGGCATTATGCTCACCCTTTCTCCTACGTCA
 ACAACATGGTGGCAGTGGGAGCACTCATCTTCTGTCTGCATGACTTCGCAGACCCCTTACTGGAAGCTGC
 CAAGATGGCCAATTATGCCAGACGTGAGCGGCTCTGTACCACCCTTTTTGTGATCTTTGGCGCAGCTTTT
 ATAGTTTCTCGTCTAGCAATCTTCCATTGTGGATTCTGAACACAACCCTCTTTGAAAGCTGGGAGATTA
 TTGGGCCCTACCCTTCTGGTGGCTCTTCAATGCCCTTCTCCTGATCCTGCAGGTGCTCCATGCCATCTG
 GTCCTACCTAATTGTCCAGACTGCTTCAAAGCCTTGAGCCGGGAAAGGTGCTCTCCAGGAGGGATTA
 GACCCAGGCTCTGTACCTTCTGCTCTTCTCACCTCCTTCTCTTTCTCTGCCTGGTGGCAGCTGGACA
 GTTCCATCCTTTGCATGTGTCTAAGGATGACCGCAGTGATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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ORF Size:	1161 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:	<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:	BC043059.1
RefSeq Size:	2793 bp
RefSeq ORF:	1163 bp
Locus ID:	71949
Cytogenetics:	15 F1
MW:	102.4 kDa
Gene Summary:	Dihydroceramide synthase. Catalyzes the acylation of sphingosine to form dihydroceramide, with high selectivity toward palmitoyl-CoA as acyl donor compared to stearoyl-CoA. Inhibited by fumonisin B1.[UniProtKB/Swiss-Prot Function]