

Product datasheet for **SC100282**

Lass5 (CERS5) (NM_147190) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lass5 (CERS5) (NM_147190) Human Untagged Clone
Tag:	Tag Free
Symbol:	Lass5
Synonyms:	LASS5; Trh4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC100282 sequence for NM_147190 edited (data generated by NextGen Sequencing)

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ATGGCGACAGCAGCGCAGGGACCCCTAAGCTTGCTGTGGGGCTGGCTGTGGAGCGAGCGC
TTCTGGCTACCCGAGAAGGTGAGCTGGGCTGATCTGGAGGGCCGCGACGGCTACGGT
TACCCCGCGGGCCGACATCCTCTCGGTGTTCCCGCTGGCGGGCGGCATCTTCTCGTG
AGGCTGCTCTTCGAGCGATTTATTGCCAAACCCTGTGCACTCTGTATTGGCATCGAGGAC
AGTGGTCTTATCAGGCCAACCCTAATGCCATCCTTGAAAAGGTGTTTATATCTATTACC
AAGTATCCTGATAAAGAAAAGGCTGGAGGGCCTGTCAAAGCAGCTGGATTGGAATGCCGA
AAAATCCAATGCTGGTTTCGCCATCGGAGGAATCAGGACAAGCCCCAACGCTTACTAAA
TTCTGTGAAAAGCATGTGGAGATTACATTTTATTTATGTATATTCTGCTATGGAATTAGA
TTTCTCTGGTCGTACCTTGGTTCTGGGACATCCGACAGTGTGGCATAACTATCCATTT
CAGCCTCTTTCAAGTGGGCTTTATCACTATTATATCATGGAATTGGCCTTCTATTGGTCC
CTTATGTTTTCTCAGTTTACAGACATTAAGAAAAGGACTTCTGATCATGTTTGTGCAT
CACTTGGTCACCATTTGGGCTTATCTCCTTCTCCTACATCAACAATATGGTTTCGAGTGGGA
ACTCTGATCATGTGTCTACATGATGTCTCAGACTTCTTGTGGAGGCAGCCAACTGGCC
AATTATGCCAAGTATCAGCGGCTCTGTGACACCCTTTTGTGATCTTCAGTGTGTTTTT
ATGGTTACACGACTAGGAATCTATCCATTCTGGATTCTGAACACGACCCTCTTTGAGAGT
TGGGAGATAATCGGGCCTTATGCTTCATGGTGGCTCCTCAATGGCCTGCTGACCCCTA
CAGCTTCTGCATGTCATCTGGTCTACCTAATTGCACGGATTGCTTTGAAAGCCTTGATC
AGGGGAAAGGTATCGAAGGATGATCGCAGTGATGTGGAGAGCAGCTCAGAGGAAGAAGAT
GTGACCACCTGCACAAAAAGTCCCTGTGACAGTAGCTCCAGCAATGGTGCCAATCGGGT
AATGGTCACATGGGAGGCAGCTACTGGGCTGAAGAGTAA

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Clone variation with respect to NM_147190.2



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_147190 unedited</p> <pre>TTATAACCCCGCCCGTTGCCGCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATA AGCAGAGCTCATTTACGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCC GCGAATTCGGCACGAGGATGGCGACAGCAGCGCAGGGACCCCTAAGCTTGCTGTGGGGCT GGCTGTGGAGCGAGCGCTTCTGGCTACCCGAGAACGTGAGCTGGGCTGATCTGGAGGGGC CGGCCGACGGCTACGGTTACCCCGCGGCCGCACATCCTCTCGGTGTTCCCGCTGGCGG CGGGCATCTTCTCGTGAGGCTGCTCTTCGAGCGATTTATTGCCAAACCCTGTGCACTCT GTATTGGCATCGAGGACAGTGGTCTTATCAGGCCCAACCAATGCCATCCTTGAAAAGG TGTTCATATCTATTACCAAGTATCCTGATAAGAAAAGGCTGGAGGGCCTGTCAAAGCAGC TGGATTGGAATGTCCGAAAAATCCAATGCTGGTTTCGCCATCGGAGGAATCAGGACAAGC CCCCAACGCTTACTAAATCTGTGAAAGCATGTGGAGATTCACATTTTATTTATGTATAT TCTGCTATGGAATTAGATTTCTCTGGTCGTCACCTTGGTCTGGGACATCCGACAGTGCT GGCATAACTATCCATTTCAAGCTCTTTCAAGTGGGCTNTACTATTATATCATGGAAT TGGCCTTCTATTGGTCCCTTATGTTTTCTCAGTTTACAGACATTAAGAAAAGACTTCC TGATCATGTTTGTGCATCACTTGGTCACCATTGGGCCTTATCTCCCTCTCCTACATCAAC CATATGGTTCCGAGTGGGAACTCTGATCATGCGTCTACATGCAGGCTTAGACCTCCTGC CTGGAGCCAGCCAACTGGTCAATTATGCCAGTATC</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_147190 unedited</p> <pre>ACCTACTCACATCTGGCTGATGGCAACTNCCAGGNCCAGNANAGCACTGGGNNAGGGTC ACAGGGATGCCACCCGGGATCTGTTTCAGGAAACTATGACCCGCGCCGCAATCTAGAGT CGAGTTTTTTTTTTTTTTTTTTTTGGGTTGAAGCACTTTTAAATCACAAACAACAATAGTA TAAGACCGTGAACAGCTCACCCAGTGGCTGTTGCCCTCCTCCAGCCCTCAGCTCACCCCTC TTCCCATGCTCCCTCCCTGGGTACCATTGAGTAAAGAGCAGGGTATTGGCAGCTGTCCCT GTTGCTATCAGGTGATTGATAGGAAGGGGATCTAGCTAGGGACCACGGCAATCCTGGCCA TCCATCCATGGTCTGTTTCTATACAACCTTCATCATGTGACATATTCCAGCTGTGAAAGA GGAACAGTACAGAAAATGTGGGACTGAACTTGGCTGCTTCAATTCAGATGGTTCATGGGTTT AGAGTGTCAAGAGCCAAGGGCAAAAAAGGAGAAGTCTGGAGTTGGCATAATTAAGA TGCATCCCAATGTTGTAATAATGTGGGTTCAAGTGGTGACCAGGGAAGGCCTCATGGTCCC ATTCCACAATTTGGGGCCCAACCCCGGCAATGAACTTATGCTTATGCTCTATCGCCCTC CAGCAGATTCACATAAACTTATAGTGAAATAACATTACTGAAAGTACCTTGAGGTTTTTT ATATACCAATGGCAGTTCTCCTCCAAAGTAAAAATTTTTGGTTTTTTTGATACTCCCTCA TGCGCCTGCAAGGCTTCATATCAGTTGGAGAGCTTTACTGGGCTAGGGCCAGCATCAGTA TTTTTCCACTCTGCCCCACCAAATCCAGCGGCAGCTGAAATCCCCTTAACTACCGACTT TAATGTTCTGATACC</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_147190
Insert Size:	2000 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: [NM_147190.1](#), [NP_671723.1](#)

RefSeq Size: 2022 bp

RefSeq ORF: 1179 bp

Locus ID: 91012

UniProt ID: [Q8N5B7](#)

Cytogenetics: 12q13.12

Domains: homeobox, LAG1, TLC

Protein Families: Transcription Factors, Transmembrane

Gene Summary: This gene encodes a protein that belongs to the TLC (TRAM, LAG1 and CLN8 homology domains) family of proteins. The encoded protein functions in the synthesis of ceramide, a lipid molecule that is involved in a several cellular signaling pathways. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]
Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.