

Product datasheet for RN202652

Cers1 (NM_001044230) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cers1 (NM_001044230) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cers1
Synonyms:	Lass1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN202652 representing NM_001044230 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGCTGCAGCGACGACCACCGGGCTCGAGGGCCAGAGCCCATGCCGAGTTATGCAGAGATGTTGC
AACGAAGCTGGGCTCGGCGCTGGCCGACGACGGGGCTGCGGGACTGCGGCTGGGGACTGGCGCGCCG
CGGCTGGCGGAGCAGCTCATCTGGCTGCACCCGAGCTGCTGCTGGCCGTGCTCTGCGCTCTGGGGTGG
ACAGCGTTGCGCTCAGCAGCCACCACGCGCATCTTCGGCCCTGGCCAAGCGGTGTCGCCTGCAGCCTA
GAGACGGGCTAGGCTGCCTGAGAGTGCCTGGAAGCTTCTGTTCTACTTGGCCTGTTGGAGCTACTGTGC
CTACCTGCTCTTGGGACCAAGTTACCCCTTCTCCATGACCCGCCCTCTGTCTTACGGCTGGAGGTGC
GGCATGGCGGTGCCCTGGGACATAGCGGTGCGCTACCTGCTGCAGGGGAGTTTCTACTGTCAATCCGTCT
ATGCCACCGTGTACATGGACAGCTGGCGCAAGGACTCGGTGGTCACTGCTGGTACACCATGTGGTCACTT
ACTGCTCATCGCCTTCTCCTATGCGTTCGATACCACAACGTGGGCTCCTCGTGTCTTCTCCTGCATGAC
GTCAGCGATGTGCAGCTGGAGTTCACCAAGCTCAACATCTACTTCAAGGCCAGGGGTGGCGCCTACCATC
GATTGCACGGGCTGGTGGCAACCTGGGCTGCCTCAGTCTGCTGCTGCTGTTCTGTTTCCGCTCTA
CTGGTTCCCACTCAAGGTTCTCTATGCCACCTGGCACTGCAGCCTGCAGTCTGTGCTGACATTCGGTAC
TATTTCTTTCAACACTCTGCTGCTCCTCCTGGTCAACATCTACTGTTCTGTTCTGTTCTGTTCTGTTCT
CTTTTGCAGCCAAGGTGCTGACCGGTGAGATGCGTGAAGTGAAGACTTGCGGGAATACGACAGTCTGGA
AGCGCAGACAGCCAAGCCCTGCAGAGCTGAGAAGCCTTAAGGAATGGCCTGGTGAAGGACAACTCTTC
TGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001044230
Insert Size:	1053 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_001044230.2</u> , <u>NP_001037695.1</u>
RefSeq Size:	2683 bp
RefSeq ORF:	1053 bp
Locus ID:	290658
Cytogenetics:	16p14
Gene Summary:	This gene encodes a member of the bone morphogenetic protein (BMP) family and the TGF-beta superfamily. This group of proteins is characterized by a polybasic proteolytic processing site that is cleaved to produce a mature protein containing seven conserved cysteine residues. The orthologous human protein has been shown to regulate C18-ceramide (N-stearoyl-sphinganine) synthesis. The protein is expressed from a bicistronic mRNA which also encodes growth differentiation factor 1. [provided by RefSeq, Jul 2009]