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Product datasheet for MC211994

Cers1 (NM_138647) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cers1 (NM_138647) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cers1
Synonyms:	Cer; L; Lass1; t; to; Uog-; Uog-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Restriction Sites:	SgfI-MluI
ACCN:	NM_138647
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:	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_138647.3, NP_619588.1
RefSeq Size:	2741 bp
RefSeq ORF:	1053 bp

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Locus ID:	93898
UniProt ID:	P27545
Cytogenetics:	8 B3.3
Gene Summary:	This gene encodes a ceramide synthase enzyme, which catalyzes the synthesis of ceramide, the hydrophobic moiety of sphingolipids. The encoded enzyme synthesizes 18-carbon (C18) ceramide in brain neurons. Mice lacking a functional copy of this gene exhibit impaired cerebellar development, locomotion and motor coordination. This protein is transcribed from a bicistronic mRNA, which also encodes growth differentiation factor 1. [provided by RefSeq, Jul 2016]