OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC205417

Acid sphingomyelinase (SMPD1) (NM_001007593) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Acid sphingomyelinase (SMPD1) (NM_001007593) Human 3' UTR Clone
Symbol:	Acid sphingomyelinase
Synonyms:	ASM; ASMASE; NPD
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001007593
Insert Size:	419 bp
Insert Sequence:	>SC205417 3'UTR clone of NM_001007593 The sequence shown below is from the reference sequence of NM_001007593. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC AGCCTGTGGCCAAGGCCACTGTTTTGCTAGGGCCCCAGGGCCCACATTTGGGAAAGTTCTTGATGTAGG AAAGGGTGAAAAAGCCCAAATGCTGCTGTGGTTCAACCAGGCAAGATCATCCGGTGAAAGAACCAGTCC CTGGGCCCCAAGGATGCCGGGGAAACAGGACCTTCTCCTTTCCTGGAGCTGGTTTAGCTGGATATGGGA GGGGGTTTGGCTGCCTGTGCCCAGGAGCTAGACTGCCTTGAGGCTGCTGTCCTTTCACAGCCATGGAGT AGAGGCCTAAGTTGACACTGCCCTGGGCAGACAAGACAGGAGCTGTCGCCCCAGGCCTGTGCTGCCCAG CCAGGAACCCTGTACTGCTGCTGCGACCTGATGCTGCCAGTCTGTTAAAATAAAGATAAGAGACTTGGA CTCCA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

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RefSeq:	NM_001007593.3
Summary:	The protein encoded by this gene is a lysosomal acid sphingomyelinase that converts sphingomyelin to ceramide. The encoded protein also has phospholipase C activity. Defects in this gene are a cause of Niemann-Pick disease type A (NPA) and Niemann-Pick disease type B (NPB). Multiple transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2010]
Locus ID:	6609
MW:	14.9