

Product datasheet for SC205418

Acid sphingomyelinase (SMPD1) (NM_000543) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Acid sphingomyelinase (SMPD1) (NM_000543) Human 3' UTR Clone
Symbol:	Acid sphingomyelinase
Synonyms:	ASM; ASMASE; NPD
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000543
Insert Size:	419 bp
Insert Sequence:	>SC205418 3'UTR clone of NM_000543 The sequence shown below is from the reference sequence of NM_000543. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAA GCGATCGCC AGCCTGTGGCCAAGGCCACTGTTTTGCT AG GGCCCCAGGGCCACATTTGGGAAAGTTCTTGATGTAGG AAAGGGTGAAAAAGCCCAATGCTGCTGTGGTTCAACCAGGCAAGATCATCCGGTGAAAGAACCAGTCC CTGGGCCCAAGGATGCCGGGAAACAGGACCTTCTCCTTTCCTGGAGCTGGTTAGCTGGATATGGGA GGGGTTTTGGCTGCCTGTGCCAGGAGCTAGACTGCCTTGAGGCTGCTGTCTTTACAGCCATGGAGT AGAGGCCTAAGTTGACTGCCCCTGGGCAGACAAGACAGGAGCTGCGCCCCAGGCTGTGCTGCCAG CCAGGAACCCTGTACTGTGCTGCGACCTGATGCTGCCAGTCTGTAAAATAAAGATAAGAGACTTGGA CTCCA ACGCGT AAGCGGCCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
Restriction Sites:	Sgfl-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.



[View online »](#)

RefSeq: [NM_000543.5](#)

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