

Product datasheet for **KN219758RB**

Acid sphingomyelinase (SMPD1) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control
Donor DNA:	RFP-BSD
Symbol:	Acid sphingomyelinase
Locus ID:	6609
Components:	KN219758G1 , Acid sphingomyelinase gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN219758G2 , Acid sphingomyelinase gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN219758RBD , donor DNA containing left and right homologous arms and RFP-BSD functional cassette. GE100003 , scramble sequence in pCas-Guide vector
Disclaimer:	These products are manufactured and supplied by OriGene under license from ERS. The kit is designed based on the best knowledge of CRISPR technology. The system has been functionally validated for knocking-in the cassette downstream the native promoter. The efficiency of the knock-out varies due to the nature of the biology and the complexity of the experimental process.
RefSeq:	NM_000543 , NM_001007593 , NM_001318087 , NM_001318088 , NR_027400 , NR_134502 , NM_001365135
UniProt ID:	P17405
Synonyms:	ASM; ASMASE; NPD
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]



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Product images:

