

Recombinant Mouse Smpd1 Protein, Myc/DDK-tagged

Cat. No. Smpd1-5976M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length sphingomyelin phosphodiesterase 1, acid lysosomal (Smpd1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Converts sphingomyelin to ceramide. Also has phospholipase C activities toward 1,2-diacylglycerolphosphocholine and 1,2-diacylglycerolphosphoglycerol.
Molecular Mass	70.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

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Gene Name	Smpd1 sphingomyelin phosphodiesterase 1, acid lysosomal [Mus musculus (house mouse)]
Official Symbol	Smpd1
Synonyms	SMPD1; sphingomyelin phosphodiesterase 1, acid lysosomal; sphingomyelin phosphodiesterase; acid sphingomyelinase; ASM; aSMase; A-SMase; Zn-SMase
Gene ID	20597
mRNA Refseq	NM_011421
Protein Refseq	NP_035551
UniProt ID	Q04519

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