

Recombinant Human SMPD3

Cat. No. SMPD3-29444TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human NSMase2 (aa 1-655) with a proprietary tag; 98.12kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	655 amino acids
Molecular Weight	98.120kDa inclusive of tags
Tissue specificity	Predominantly expressed in brain.
Biological activity	useful for Antibody Production and Protein Array
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.31% GlutathioneNote: (Glutathione is reduced)
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequence Similarities Belongs to the neutral sphingomyelinase family.

GENE INFORMATION

Gene Name	SMPD3 sphingomyelin phosphodiesterase 3, neutral membrane (neutral sphingomyelinase II) [Homo sapiens]
Official Symbol	SMPD3
Synonyms	SMPD3; sphingomyelin phosphodiesterase 3, neutral membrane (neutral sphingomyelinase II); sphingomyelin phosphodiesterase 3; NSMASE2;
Gene ID	55512
mRNA Refseq	NM_018667
Protein Refseq	NP_061137
MIM	605777
Uniprot ID	Q9NY59
Chromosome Location	16q22.1
Pathway	Ceramide signaling pathway, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Sphingolipid metabolism, organism-specific biosystem; Sphingolipid metabolism, conserved biosystem;
Function	hydrolase activity; metal ion binding; sphingomyelin phosphodiesterase activity;

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