

Active Recombinant Full Length Human SMPD3 Protein

Cat. No. SMPD3-484HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human NSMase2 (aa 1-655) with a proprietary tag; 98.12 kDa inclusive of tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	655 amino acids
Description	Predicted to enable phosphatidic acid binding activity; phosphatidylserine binding activity; and sphingomyelin phosphodiesterase activity. Predicted to be involved in positive regulation of exosomal secretion and sphingomyelin metabolic process. Predicted to act upstream of or within several processes, including animal organ development; enzyme linked receptor protein signaling pathway; and sphingolipid metabolic process. Predicted to be located in Golgi apparatus and plasma membrane. Predicted to be active in cytoplasm. Biomarker of pulmonary emphysema.
Form	Liquid
Bio-activity	Useful for Antibody Production and Protein Array
Molecular Mass	98.120kDa inclusive of tags
Purity	Proprietary Purification

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.
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Storage Buffer	pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.
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GENE INFORMATION

Gene Name	SMPD3 sphingomyelin phosphodiesterase 3, neutral membrane (neutral sphingomyelinase II) [Homo sapiens]
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Official Symbol	SMPD3
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Synonyms	SMPD3; sphingomyelin phosphodiesterase 3, neutral membrane (neutral sphingomyelinase II); sphingomyelin phosphodiesterase 3; NSMASE2
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Gene ID	55512
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mRNA Refseq	NM_018667
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Protein Refseq	NP_061137
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MIM	605777
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UniProt ID	Q9NY59
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