

Sphingomyelin phosphodiesterase, Streptomyces sp.

Cat. No.:	HY-P2936	
CAS No.:	9031-54-3	
Target:	Phospholipase	
Pathway:	Metabolic Enzyme/Protease	Sphingomyelin phosphodiesterase, Streptomyces sp.
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.	

BIOLOGICAL ACTIVITY

Description

Sphingomyelin phosphodiesterase, Streptomyces sp., a hydrolase, is involved in the sphingomyelin metabolism process. Sphingomyelin phosphodiesterase hydrolyzes the conversion of sphingomyelin to phosphocholine and ceramide. Sphingomyelin phosphodiesterase also plays an important role in cellular differentiation, various immune and inflammatory responses, and intracellular cholesterol trafficking and metabolism^{[1][2]}.

REFERENCES

[1]. Rongrong Pan, et al. Chapter Nine-Nanokits for the electrochemical quantification of enzyme activity in single living cells. Methods in Enzymology. Volume 628, 2019, Pages 173-189.

[2]. Aykut A, et al. Analysis of the sphingomyelin phosphodiesterase 1 gene (SMPD1) in Turkish Niemann-Pick disease patients: mutation profile and description of a novel mutation. Gene. 2013 Sep 10;526(2):484-6.

Caution: Product has not been fully validated for medical applications. For research use only.

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