



Native Sphingomyelinase (DAG-WT1313)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	One unit is defined as the amount of enzyme which hydrolyzes 1 μ mole of sphingomyelin per minute at 37°C under the conditions specified in the assay procedure.
Conjugate	N/A
Applications	Enzymatic determination
Molecular Weight	37.5 kDa
Format	Lyophilized
Size	1 KU
Buffer	Enzyme dilution buffer
Storage	Store at -20°C

BACKGROUND

Introduction	Sphingomyelin phosphodiesterase is a hydrolase enzyme that is involved in sphingolipid metabolism reactions. SMase is a member of the DNase I superfamily of enzymes and is responsible for breaking sphingomyelin (SM) down into phosphocholine and ceramide. The activation of SMase has been suggested as a major route for the production of ceramide in response to cellular stresses.
Keywords	Sphingomyelinase; Sphingomyelin phosphodiesterase; Neutral sphingomyelinase