

Active Recombinant Mouse Smpd1 protein(Met1-Leu626), His-tagged

Cat. No. Smpd1-2552M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse SMPD1 (Q04519) (Met 1-Leu 626) was expressed in Insect Cells, with a C-terminal polyhistidine tag.
Species	Mouse
Source	Insect Cells
Protein Length	Met1-Leu626
Form	Supplied as sterile 20mM Tris, 500mM NaCl, 10% glycerol, pH 8.0, 0.1% Tween20.
Bio-activity	Measured by its ability to cleave 2-N-Hexadecanoylamino-4-nitrophenylphosphorylcholine (HNPPC). The specific activity is > 1,000 pmoles/min/μg.
Molecular Mass	The secreted recombinant mouse SMPD1 consists of 592 amino acids and has a calculated molecular mass of 66.3 kDa. It migrates as an approximately 63 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	> 85 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein

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be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Concentration Please refer to the hard copy of CoA.

GENE INFORMATION

Gene Name [Smpd1 sphingomyelin phosphodiesterase 1, acid lysosomal \[Mus musculus \]](#)

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](#)

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