

Active Recombinant Human SMPD1 protein, His-tagged

Cat. No. SMPD1-537H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human SMPD1 protein(NP_000534.3)(Met1-Pro628) is expressed from Baculovirus-Insect Cells(Sf9) with His tag at the C-terminus.
Species	Human
Source	Insect Cells(Sf9)
ProteinLength	1-628 aa
Form	Supplied as 0.22 µm filtered solution in 20mM Tris, 500mM NaCl, 25% glycerol (pH 7.5).
Bio-activity	Measured by its ability to cleave 2-N-Hexadecanoylamino-4-nitrophenylphosphorylcholine (HNPPC). The specific activity is > 1500 pmol/min/µg.
Molecular Mass	The protein has a predicted MW of 66.53 kDa. Due to glycosylation, the protein migrates to 67-70 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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Concentration	0.2 ug/ul
protein Refseq-Weblink	http://www.ncbi.nlm.nih.gov/protein/NP_000534.3
Unit ID	P17405
Unit ID-Weblink	https://www.uniprot.org/uniprotkb/P17405

GENE INFORMATION

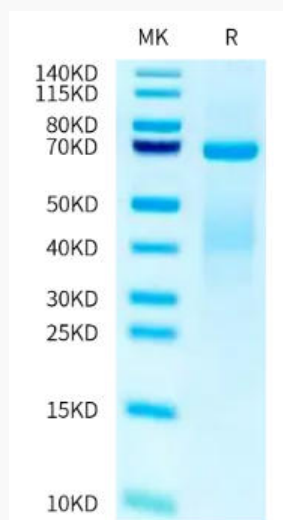
Gene Name	SMPD1 sphingomyelin phosphodiesterase 1, acid lysosomal [Homo sapiens]
Official Symbol	SMPD1
Synonyms	SMPD1; sphingomyelin phosphodiesterase 1, acid lysosomal; sphingomyelin phosphodiesterase; acid sphingomyelinase; ASM; NPD; ASMASE;
Gene ID	6609
mRNA Refseq	NM_000543
protein Refseq	NP_000534
MIM	607608

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Bis-Tris PAGE



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