

Recombinant Human SMPD1 protein, His-SUMO-tagged

Cat. No. SMPD1-5332H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SMPD1 protein(P17405)(47-631aa), fused with N-terminal His and SUMO tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	47-631a.a.
Tag	His&SUMO
Form	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Molecular Mass	78.2 kDa
Purity	Greater than 90% as determined by SDS-PAGE.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final

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concentration) and aliquot for long-term storage at -20°C/-80°C.

AA Sequence

LALSDSRVLWAPAEAHPLSPQGHPARLHRIVPRLRDVFGWGNLTCPICKGLFTAINL
GLKKEPNVARVGSVAIKLCNLLKIAPPAVCQSIVHLFEDDMVEVWRRSVLSPSEACG
LLLGSTCGHWDIFSSWNISLPTVPKPPPKPPSPPAPGAPVSRILFLTDLHWDHDDYLE
GTDPDCADPLCCRRGSGLPASRPAGAGYWGEYSKCDLPLRTLLESLLSGLGPAGPF
DMVYWTGDIPAHDVWHQTRQDQLRALTTVTALVRKFLGPVPVYPAVGNHESTPVN
SFPPPIEIGNHSSRWLYEAMAKAWEPWLPALRLTLRIGGFYALSPYPGLRLISLNM
NFCSRENFWLLINSTDPAGQLQWLVGELQAAEDRGDKVHIIGHIPPGHCLKSWSWN
YYRIVARYENTLAAQFFGHTHVDEFVFEYDEETLSRPLAVAFLAPSATTYIGLNPGYR
VYQIDGNYSGSSHVVLDHETYILNLTQANIPGAIPHWQLLYRARETYGLPNTLPTAW
HNLVYRMRGDMQLFQTFWFLYHKGHPPSEPCGTPCRLATLCAQLSARADSPALCR
HLMPDGSLPEAQLSWPRPLFC

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

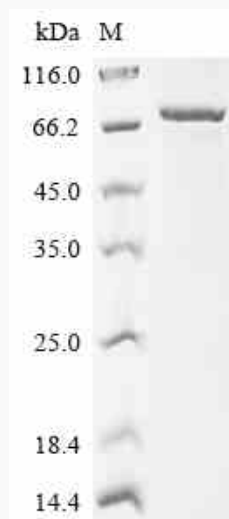
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UniProt ID P17405

SDS-PAGE



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