

Recombinant Full Length Human SMPD1 Protein, C-Flag-tagged

Cat. No. SMPD1-732HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SMPD1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
ProteinLength	1-631 aa
Description	The protein encoded by this gene is a lysosomal acid sphingomyelinase that converts sphingomyelin to ceramide. The encoded protein also has phospholipase C activity. Defects in this gene are a cause of Niemann-Pick disease type A (NPA) and Niemann-Pick disease type B (NPB). Multiple transcript variants encoding different isoforms have been identified.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	65 kDa
AA Sequence	MPRYGASLRQSCPRSGREQGDGTAGAPGLLWMGLVLALALALALALALSDSRVL WAPAEAHPLSPQGHP ARLHRIVPRLRDVFGWGNLTCPICKGLFTAINLGLKKEPNV ARVGSVAIKLCNLLKIAPPAVCQSIVHLF EDDMVEVWRRSVLSPSEACGLLLGSTCG HWDIFSSWNISLPTVPKPPKPPSPAPGAPVSRLFLTDLH WDHDYLEGTDPDCA DPLCCRRGSGLPASRPGAGYWGEYSKCDLPLRTLLESLLSGLGPAGPFDMVYWTG

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

D IPAHDVWHQTRQDQLRALTTVTALVRKFLGPVPVYPVAVGNHESTPVNSFPPPFIE
 GNHSSRWLYEAMAKA WEPWLP AEALRTL RIGGFYALSPYPGLRLISLNMNFCSREN
 FWLLINSTDPAGQLQWLVGELQAAEDRGD KVHIIGHIPPGHCLKSWSWNYRIVAR
 YENTLAAQFFGHTHVDEFEVFYDEETLSRPLAVAFLAPSATTY IGLNPGYRVYQIDG
 NYSGSSHVLDHETYILNLTQANIPGAIPHWQLLYRARETYGLPNTLPTAWHNLVY R
 MRGDMQLFQTFWFLYHKGHPPSEPCGTPCRLATLCAQLSARADSPALCRHLMPDG
 SLPEAQSLWPRPLF
 CTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Transmembrane
Protein Pathways	Lysosome, Metabolic pathways, Sphingolipid metabolism
Full Length	Full L.

GENE INFORMATION

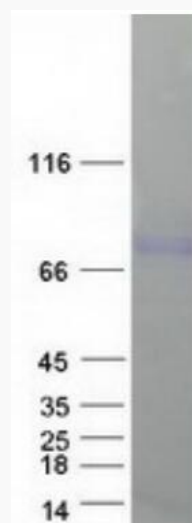
Gene Name [SMPD1 sphingomyelin phosphodiesterase 1 \[Homo sapiens \(human\) \]](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Official Symbol	SMPD1
Synonyms	ASM; NPD; ASMASE
Gene ID	6609
mRNA Refseq	NM_000543.5
Protein Refseq	NP_000534.3
MIM	607608
UniProt ID	P17405



Coomassie blue staining of purified SMPD1 protein.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA