



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### SMPD1 (Human) Recombinant Protein (Q01)

Niemann-Pick disease type B (NPB). Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq]

**Catalog Number:** H00006609-Q01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human SMPD1 partial ORF ( NP\_000534.3, 531 a.a. - 630 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

AIPHWQLLYRARETYGLPNTLPTAWHNLVYRMRGDM  
QLFQTFWFLYHKGHPPSEPCGTPCRLATLCAQLSARA  
DSPALCRHLMPLDGLPEAQLWPRPLF

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 36.74

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 6609

**Gene Symbol:** SMPD1

**Gene Alias:** ASM, NPD

**Gene Summary:** 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