

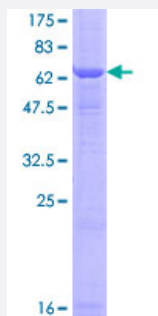
Full-Length

SMPD2 (Human) Recombinant Protein (P01)

Catalog # H00006610-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human SMPD2 full-length ORF (AAH00038.1, 1 a.a. - 423 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MKPNFSLRLRIFNLNCWGIPYLSKHRADRMRLGDFLNQESFDLALLEEVWSEQDFQYLRQKLSP
TYPAAHHFRSGIIGSGLCVFSKHPIQELTQHIYTLNGYPYMIHHGDWFSKGAVGLLVHLSGMVLNA
YVTHLHAEYNRQKDI LAHRVAQAWELAQFIHHTSKKADVLLCGDLNMHPEDLGCCLLKEWTGL
HDAYLETRDFKGSEEGNTMVPKNCYVSQQELKPFPGVRIYVLYKAVSGFYISCKSFETTTGFD
PHSGTPLSDHEALMATLFVRHSPQQNPSSTHGPAERSPLMCVLKEAWTELGLGMAQARWWA
TFASYVIGLGLLLLALLCVLAAGGGAGEAAILLWTPSVGLVLWAGAFYLFHVQEVNGLYRAQAEIQ
HVLGRAREAQDLGPEPQPALLLGQQEGDRTKEQ

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

72.27

Interspecies Antigen Sequence

Mouse (77); Rat (79)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

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.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — SMPD2

Entrez GeneID	6610
GeneBank Accession#	BC000038
Protein Accession#	AAH00038.1
Gene Name	SMPD2
Gene Alias	NSMASE, NSMASE1
Gene Description	sphingomyelin phosphodiesterase 2, neutral membrane (neutral sphingomyelinase)
Omim ID	603498
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	OTTHUMP00000040472

Pathway

- [Metabolic pathways](#)

- [Sphingolipid metabolism](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)