

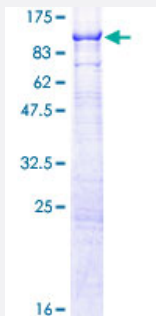
Full-Length

SMPD3 (Human) Recombinant Protein (P01)

Catalog # H00055512-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human SMPD3 full-length ORF (NP_061137.1, 1 a.a. - 655 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MVLYTTPFPNSCLSHCVSWALIFPCYWLVDRLAASFIPPTYEKRQRADDPCCCLQLLCTALFTPIY
LALLVASLPFAFLGFLFWSPLQSARRPYYSRLEDKGLAGGAALLSEWKGTGPGKSFCFATANVC
LLPDSLARVNNLFNTQARAKEIGQRIRNGAARPQIKYDSTNTSISAASFSSLVSPQGGDGVARAV
PGSIKRTASVEYKGDGGRHPGDEAANGPASGDPVDSSSPEDACIVRIGGEEGGRPPEADDPVP
GGQARNAGAGGPRGQTPNHNQQDGDGSLGSPSASRESLVKGRAGPDTSASGEPGANSKLLY
KASVVKKAAARRRRHPDEAFDHEVSAAFFPANLDFLCLQEVFDKRAATKLKEQLHGYPEYILYDVG
VYGCQGCCSFKCLNSGLLFASRYPIMDVAYHCYPNKCNDALASKGALFLKVQVGSTPQDQQRV
GYACTHLHAPQEDSAIRCGQLDLLQDWLADFRKSTSSSSAANPEELVAFDVVCGDFNFDNCSS
DDKLEQQHSLFTHYRDPCLRGPGEEKPWAIGTLLDTNGLYDEDVCTPDNLQKVLESEEGRREYL
AFPTSKSSGQKGRKELLKGNRRIDYMLHAEELCPDWKAEVEEFSTITQLSGLTDHLPVAMRL
MVSSGEEEA

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

97.5

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 — SMPD3

Entrez GeneID	55512
GeneBank Accession#	NM_018667.2
Protein Accession#	NP_061137.1
Gene Name	SMPD3
Gene Alias	FLJ22593, MGC138443, NSMASE2
Gene Description	sphingomyelin phosphodiesterase 3, neutral membrane (neutral sphingomyelinase II)
Omim ID	605777
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	sphingomyelin phosphodiesterase 3, neutral membrane

Pathway

- [Metabolic pathways](#)

- [Sphingolipid metabolism](#)

Disease

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