

Product Information

MemDX™ Membrane Protein Human SMPD3 (Sphingomyelin phosphodiesterase 3)

Cat. No.: **MP0149J**

This product is for research use only and is not intended for diagnostic use.

This product is a 70.9 kDa Human SMPD3 membrane protein expressed in HEK293T. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

SMPD3

Protein Length

Full-length

Protein Class

Transmembrane

Molecular Weight

70.9 kDa

TMD

4

Sequence

MVLYTTPFPNSCLSHLCVSWALIFPCYWLVDRLAASFIPTTYEKQRADDPCCLQLLCTALFTPIYLAL
LVASLPFAFLGFLFWSPQLSARRPYIYSRLEDKGLAGGAALLSEWKGTGPGKSFCFATANVCLLPDSLAR
VNNLFNTQARAKEIGQRIRNGAARPQIKIYIDSPNTNTSISAASFSSLVSPQGGDGVARAVPGSIKRTASV
EYKGDGGRHPGDEAANGPASGDPVDSSSPEDACIVRIGGEEGGRPPEADDPVPGGQARNGAGGGPRGQTP
NHNQQDGDGSLGSPSASRESLVKGRAGPDTASGEPGANSKLLYKASVVKAAARRRRHPDEAFDHEVS
AFFPANLDFLCLQEVFDKRAATKLKEQLHGYFEYIYDVG VYGCQGCCSFKCLNSGLLFASRYPIMDVAY
HCYPNKCND DALASKGALFLKVQVGSTPQDQRIVGYIACTHLHAPQEDSAIRCGQLDLLQDWLADFRKST
SSSSAANPEELVAFDVVCGDFNFDNCSSDDKLEQQHSLFTHYRDPCRLGPGEKPWAIGTLLDTNGLYDE
DVCTPDNLQKVLESEEGRREYLAFTPSKSSGQKGRKELLKGNRRIDYMLHAEGLCPDWKAEEVEEFSFI
TQLSGLTDHLPVAMRLMVSSGEEEE

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

SMPD3

Full Name

Sphingomyelin phosphodiesterase 3

Introduction

The SMPD3 gene is conserved in chimpanzee, Rhesus monkey, dog, cow, mouse, rat, chicken, zebrafish, and frog.

Alternative Names

NSMASE2; sphingomyelin phosphodiesterase 3; nSMase-2; neutral sphingomyelinase 2

Gene ID

[55512](#)

UniProt ID

[Q9NY59](#)