

Recombinant Human SMPD3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SMPD3-6464H Lot. No. (See product label)

SPECIFICATION

Product Overview	SMPD3 MS Standard C13 and N15-labeled recombinant protein (NP_061137) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	SMPD3 (Sphingomyelin Phosphodiesterase 3) is a Protein Coding gene. Diseases associated with SMPD3 include Pituitary Hormone Deficiency, Combined, 2 and Coffin-Siris Syndrome 1. Among its related pathways are Signaling by GPCR and NGF Pathway. Gene Ontology (GO) annotations related to this gene include sphingomyelin phosphodiesterase activity.
Molecular Mass	70.9 kDa
AA Sequence	MVLYTTFPFNSCLSLHCVSWALIFPCYWLVDRLAASFIPTTYEKRQRADDPCCCLQL LCTALFTPIYLALLVASLPFAFLGFLFWSPLQSARRPYIYSRLEDKGLAGGAALLSEW KGTGPGKSFCEATANVCLLPDSLARVNNLFNTQARAKEIGQRIRNGAARPQIKIYIDS PTNTSISAASFSSLVSPQGGDGVARAVPGSIKRTASVEYKGDGGRHPGDEAANGPA SGDPVDSSSPEDACIVRIGGEEGGRPPEADDPVPGGQARNAGAGGGPRGQTPNHN QQDGDGSGSLGSPSASRESLVKGRAGPDTSASGEPGANSKLLYKASVVKKAAARRR RHPDEAFDHEVSAFFPANLDFLCLQEVEFDKRAATKLKEQLHGIFYEYILYDVGVGVCQ GCCSFKCLNSGLLFASRYPIMDVAYHCYPNKCND DALASKGALFLKVQVGSTPQDQ

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RIVGYIACHTLHAPQEDSAIRCGQLDLLQDWLADFRKSTSSSSAANPEELVAFDVVC
 GDFNFDNCSSDDKLEQQHSLFTHYRDPCRLGPGEKPAWIGTLLDTNGLYDEDVCT
 PDNLQKVLESEEGRRREYLAFPTSKSSGQKGRKELLKGNRRIDYMLHAEGLCPD
 WKAEVEEFSFITQLSGLTDHLPVAMRLMVSSGEEEATRTRPLEQKLISEEDLAANDIL
 DYKDDDDKV

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

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name SMPD3 sphingomyelin phosphodiesterase 3 [Homo sapiens (human)]

Official Symbol SMPD3

Synonyms SMPD3; sphingomyelin phosphodiesterase 3, neutral membrane (neutral sphingomyelinase II); sphingomyelin phosphodiesterase 3; NSMASE2; nSMase-2; neutral sphingomyelinase 2; neutral sphingomyelinase II; FLJ22593; MGC138443;

Gene ID 55512

mRNA Refseq NM_018667

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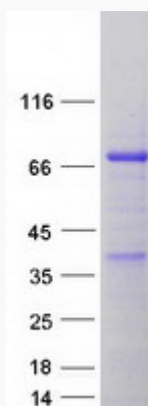
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Protein Refseq NP_061137

MIM 605777

UniProt ID Q9NY59

SDS-PAGE



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