

Recombinant Full Length Rat Sphingomyelin Phosphodiesterase 2(Smpd2) Protein, His-Tagged

Cat. No. RFL1334RF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Rat Sphingomyelin phosphodiesterase 2(Smpd2) Protein (Q9ET64) (1-422aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Full Length (1-422)
Form	Lyophilized powder
AA Sequence	MKHNFSRLRLRVFNLCWDIPYLSKHRADRMKRLGDFLNLESFDLALLEEVWSEQDF QYLK QKLSLTYPDAHYFRSGIIGSGLCVFSRHPIQEIVQHVVYTLNGYPYKFYHGDWF CGKAVGL LVLHLSGLVNLNAYVTHLHAEYSRQKDIYFAHRVAQAWELAQFIHHTSKKA NVVLLCGDLN MHPKDLGCCLLKEWTGLRDAFVETEDFKGSEDGCTMVPKNCYVSQ QDLGPFPPGVRIDYV LYKAVSGFHICCKTLKTTTGCDPHNGTPFSDHEALMATLCVK HSPQEDPCSAHGSAERS ALISALREARTELGRGIAQARWWAALFGYVMILGLSLL VLLCVLAAGEEAREVAIMLWTP SVGLVLGAGAVYLFHKQEAKSLCRAQAEIQHVLTR TTETQDLGSEPHPTHCRQQEADRAE EK
Purity	Greater than 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

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Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
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Storage Buffer	Tris/PBS-based buffer, 6% Trehalose, pH 8.0
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Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
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GENE INFORMATION

Gene Name	Smpd2
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Synonyms	Smpd2; Sphingomyelin phosphodiesterase 2; Lyso-platelet-activating factor-phospholipase C; Lyso-PAF-PLC; Neutral sphingomyelinase; N-SMase; nSMase
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UniProt ID	Q9ET64
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