

Recombinant Full Length Danio Rerio Sphingomyelin Phosphodiesterase 4(Smpd4) Protein, His-Tagged

Cat. No. RFL7148DF Lot. No. (See product label)

SPECIFICATION

Product Overview

Recombinant Full Length Danio rerio Sphingomyelin phosphodiesterase 4(smpd4) Protein (Q6PFJ7) (1-791aa), fused to N-terminal His tag, was expressed in E. coli.

Species

zebrafish

Source

E.coli

ProteinLength

Full Length (1-791)

Form

Lyophilized powder

AA Sequence

MAASALQQPSYLLANLKADWTNKPLHQRCHELCKIIDDPKELHAIFPWLVECVFG
 SLD GILTGWNLRFQARSAEYSIAMEFLDPSGPMMLVYKLQAEYKYEFPISYLPG
 PIKSSI HAGVLPDCPLFHNIQFPMSGLLFLNPFYYMFNFASLIAPKNYPQQGHGS
 SSDSAYFV LVDTYLKYFLPTEGNVPPSPFSDTRGTVASPAPRSTNVPYVGYGGHST
 SLLKRHITHQSS VNADPAAQEIWRSETLLQVFVEMWLHHYSLEMYQKLQSPQVKEP
 FMPSEEHVLLVRLLVK HLHTFSSSLKPESISSPSAHSHSSPLEELKRVVVQRFVQQ
 KLYVFLQHCFGHWPLDASF RAVLETWLSYIQPWRYTGDKNNTQTDGPNRTVPDK
 WASFVQENLLLYTKLFQGFLNRAMR TDLVNAKNALMVFRVAKVFAQPSLSEMIQKG
 EQLFLEPEHAILQRHNRVFLTPSHGGSFL SARQPMGTDNVFKVKSHVYSLEGQDC
 QYNLMFGPDQRKNVLKLIQIIAQRQTAKRISDH STEMAANNSFLSWFGVGS PDHN
 STFTGGEMDEMGGEGVKKTHEFLDKALDYLCQIFRLNA GQLSQLISNVASVDNNGA
 SKQLPDCIPSENGLVLTDLGRLQIINGLRRFEIEYQGDPELQ PIRSYENAFVRLLFQI

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SSFINERLGEHMEVLCSRQDFLGSVGRHYLSSSSAVVEQRRKS PVTRQMRDRPQR
ARLSLRALASYRLLTLLLLYMLFALLSFGLFSSTGLILIIISFLYELL SNFFHEKCLKTH

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.

Storage Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

Storage Buffer Tris/PBS-based buffer, 6% Trehalose, pH 8.0

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.

GENE INFORMATION

Gene Name smpd4

Synonyms smpd4; zgc:66367; Sphingomyelin phosphodiesterase 4; Neutral sphingomyelinase 3; nSMase-3; nSMase3; Neutral sphingomyelinase III

UniProt ID [Q6PFJ7](#)

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