

Recombinant Full Length Mouse Calcium-Independent Phospholipase A2-Gamma(Pnpla8) Protein, His-Tagged

Cat. No. RFL2474MF **Lot. No.** (See product label)

SPECIFICATION

Product Overview Recombinant Full Length Mouse Calcium-independent phospholipase A2-gamma(Pnpla8) Protein (Q8K1N1) (1-776aa), fused to N-terminal His tag, was expressed in E. coli.

Species Mus musculus

Source E.coli

ProteinLength Full Length (1-776)

Form Lyophilized powder

AA Sequence

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MSINLTLDIYIYFLNNARSLCGKQRSKQLHFVCSKQYWRMNHVNVHREFHTSKKSC
WNR SEAHCSKHWHSPSNHGLHFGIVRLSTSAPKGLTKVSIHMSRIKSTLNSVSKAIF
GSQNE M VTRLAQFKPSSRILRKVSDKGWLKQKNVKQAVESLKNYSKDSAGKNSLA
EQKSYFADKEE DSGKHS LFHYTYGITTRFGESF SVLANHINSYFKSKGKMSQTKED
KQLQDKPDLEERKSS SPGPDTVADRPDSESPLEVKDKLSSPTQMPEAHPVSAKQSI
ANFLSRPTEGVQALVGGYI GGLVPKLSDPKSPPEEQEVS AKTEQAVNKDKKAAEEK
KRVLLQQEKI IARVSIDNRTRAL VQALRR TADPKLCITRVEELTFHLLFPEGKGVAIK
EKIIPYLLRLRQVKDETLQAAVRE ILALIGYVDPVKGRGIRILTIDGGGTRGVVALQTLR
KLVELTQKPIHQ LFDYICGVSTGA ILAFMLGLFH MPLDECEELYRKL GSDVFTQNVIV
GTVKMSWSHAFYDSNTWEKILKDRIG SALMIETARNPACPKVAAISTIVNRGQTPKA
FVFRNYGHFPGTNSHYLG GCQYKMWQAIR ASSAAPGYFAEYALGSDLHQDGGLLL
    
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NNPSALALHECKCIWPDTPLECIVSLGTGRYESD VRNTSTYTSCLKTKLSNVISSATDT
EEVHIMLDGLLPSDITYFRFNPVICENIPLDES RDEK LDQLQLEGMKYIERNDQKMKK
VAKILSQEKTTLQKINDWIKLKSDMYEGLPFFSKL

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 Pnpla8

Synonyms Pnpla8; Ipla22; Ipla2g; Calcium-independent phospholipase A2-gamma; Intracellular membrane-associated calcium-independent phospholipase A2 gamma; iPLA2-gamma; Patatin-like phospholipase domain-containing protein 8

UniProt ID [Q8K1N1](https://www.uniprot.org/entry/Q8K1N1)

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