

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

Cat. No. RFL7645HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human Calcium-independent phospholipase A2-gamma(PNPLA8) Protein (Q9NP80) (1-782aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Full Length (1-782)
Form	Lyophilized powder
AA Sequence	MSINLTVDIYIYLLSNARSVCGKQRSKQLYFLFSPKHYWRISHISLQRGFHTNIIIRCKW T KSEAHSCSKHCYSPSNHGLHIGILKLSTSAPKGLTKVNICMSRIKSTLNSVSKAVFG NQN EMISRLAQFKPSSQILRKVSDSGWLKQKNIKQAIKSLKKYSDKSAEKSPFPPEEK SHIIDK EEDIGKRSLFHYTSSITTKFGDSFYFLSNHINSYFKRKEKMSQQKENEHFRD KSELEDKK VEEGKLRSPPDGPILAYKPGSESVHTVDKPTSPSAIPDVLQVSTKQSIAN FLSRPTEGVQA LVGGYIGGLVPKLKYDSKSQSEEQEPAKTDQAVSKDRNAEEKKR LSLQREKIIARVSID NRTRALVQALRRTTDPKLCITRVEELTFHLLFPEGKGVAVKER IIPYLLRLRQIKDETL QAAVREILALIGYVDPVKGRGIRILSIDGGGTRGVVALQTLRKL VELTQKPVHQLFDYIC GVSTGAILAFMLGLFHMPLDECEELYRKLGSDFVFSQNVIVG TVKMSSWSHAFYDSQTWENI LKDRMGSAIMIETARNPTCPKVAAVSTIVNRGITPKAF VFRNYGHFPGINSHYLGGCQYK MWQAIRASSAAPGYFAEYALGNDLHQDGGLLLN

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NPSALAMHECKCLWPDVPLECIVSLGT GRYESDVRNTVTYTSCLKLSNVINSATDT
EEVHIMLDGLLPDITYFRFNPVMCENIPLD ESRNEKLDQLQLEGLKYIERNEQKMKK
VAKILSQEKTTLQKINDWIKLKTDMEGLPFFS KL

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; BM-043; Calcium-independent phospholipase A2-gamma; Intracellular membrane-associated calcium-independent phospholipase A2 gamma; iPLA2-gamma; PNPLA-gamma; Patatin-like phospholipase domain-containing protein 8; iPLA2-2

UniProt ID [Q9NP80](https://www.uniprot.org/entry/Q9NP80)

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