

# 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**

MSINLTVDIYIYLLSNARSVCGKQRSKQLYFLFSPKHYWRISHISLQRGFHTNIIRCKW  
T KSEAHSCSKHCYSPSNHGLHIGILKLTSTAPKGLTKVNICMSRIKSTLNSVSKAVFG  
NQN EMISRLAQFKPSSQILRKVSDSGWLKQKNIKQAIKSLKKYSDKSAEKSPFPEEK  
SHIIDK EEDIGKRSLFHYTSSITTKFGDSFYFLSNHINSYFKRKEKMSQQKENEHFRD  
KSELEDKK VEEGKLRSPDPGILAYKPGSESVHTVDKPTSPSAIPDVLQVSTKQSIAN  
FLSRPTEGVQA LVGGYIGGLVPKLYDSKSQSEEQEEPACTDQAVSKDRNAEEKKR  
LSLQREKIIARVSIID NRTRALVQALRRTTDPKLCITRVEELTFHLLFPEGKGVAVKER  
IIPYLLRLRQIKDETL QAAVREILALIGYVDPVKGRGIRILSIDGGGTRGVVALQTLRKL  
VELTQKPVHQLFDYIC GVSTGAILAFMLGLFHMPLDECEELYRKLGSDFVFSQNVIVG  
TVKMSWSHAFYDSQTWENI LKDRMG SALMIETARNPTCPKVA AVSTIVNRGITPKAF  
VFRNYGHFPGINSHYLGGCQYK MWQAIRASSAAPGYFAEYALGNDLHQDGGLLLLN

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NPSALAMHECKCLWPDVPLECIVSLGT GRYESDVRNTVTYTSCLKTKLSNVINSATDT  
 EEVHIMLDGLLPPDITYFRFNPVMCENIPLD ESRNEKLDQLQLEGLKYIERNEQKMKK  
 VAKILSQEKTTLQKINDWIKLKTDMYEGLPFFS 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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