

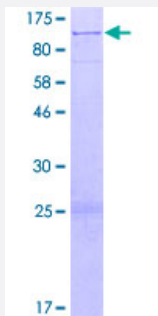
Full-Length

PNPLA8 (Human) Recombinant Protein (P01)

Catalog # H00050640-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PNPLA8 full-length ORF (NP_056538.1, 1 a.a. - 782 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSINLTVDIMYLLSNARSVCGKQRSKQLYFLFSPKHYWRISHISLQRGFHTNIIIRCKWTKSEAHSCS
KHCYSPSNHGLHIGILKLTSA PKGLTKVNICMSRIKSTLNSVSKAVFGNQNMISRLAQFKPSSQIL
RKVSDSGWLKQKNIKQAISLKKYSKSAEKSPFPPEEKSHIIDKEEDIGKRSLFHYTSSITTKFGDS
FYFLSNHINSYFKRKEKMSQQKENEHFRDKSELEDKKVEEGKLRSPPGILAYKPGSESVHTVDK
PTSPSAIPDVLQVSTKQSIANFLSRPTEGVQALVGGYIGGLVLPKLKYDSKSQSEEQEEPAKTDQA
VSKDRNAEEKRLSLQREKIIARVSIIDNRTRALVQALRRITDPKLCITRVEELTFHLLFPEGKQVA
VKERIIPIYLLRLRQIKDETLQAAVREILALIGYVDPVKGRGIRLSIDGGGTRGVVALQTLRKLVELTQK
PVHQLFDYICGVSTGAILAFMLGLFHMLPLDECEELYRKLGSDFVFSQNVIVGTVKMSWSHAFYDSQ
TWENILKDRMGSAIMIETARNPTCPKVA AVSTVNRGITPKAFVFRNYGHFPGINSHYLGGCQYKM
WQAIRASSAAPGYFAEYALGNDLHQDGGLLNNPSALAMHECKCLWPDVPLECIVSLGTGRYES
DVRNTVTYTSKTKLSNVINSATDTEEVHIMLDGLLPDITYFRFNPVMCENIPLDESRNEKLDQLQL
EGLKYIERNEQKMKKVAKILSSEKTTTLQKINDWIKLKTDMYEGLPFFSKL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

114.9

Interspecies Antigen Sequence

Mouse (82)

Preparation Method

[in vitro wheat germ expression system](#)

Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PNPLA8

Entrez GeneID	50640
GeneBank Accession#	NM_015723.2
Protein Accession#	NP_056538.1
Gene Name	PNPLA8
Gene Alias	IPLA2(GAMMA), IPLA2-2, IPLA2G
Gene Description	patatin-like phospholipase domain containing 8
Gene Ontology	Hyperlink
Gene Summary	Phospholipase A2 catalyzes cleavage of fatty acids from phospholipids, thereby regulating membrane physical properties and the release of lipid second messengers and growth factors. Phospholipase A2 activity also modulates cellular growth programs, inflammation, and ion channel function (Mancuso et al., 2000 [PubMed 10744668]).[supplied by OMIM]
Other Designations	iPLA2 gamma intracellular membrane-associated calcium-independent phospholipase A2 gamma membrane-associated calcium-independent phospholipase A2 gamma

Disease

- [Genetic Predisposition to Disease](#)
- [Schizophrenia](#)
- [Tobacco Use Disorder](#)