

Phospholipase A2 Recombinant Protein | iPLA2 recombinant protein

Recombinant Phospholipase A2, Calcium Independent (iPLA2)

CATALOG # AAA144330	HOST Host: E ColiSource: Prokaryotic expression	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
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PRODUCT SYNONYMS

Phospholipase A2; Recombinant Phospholipase A2; Calcium Independent (iPLA2); iPLA2 recombinant protein

PRODUCT SPECIFICATIONS

Host	Host: E Coli Source: Prokaryotic expression
Purity/Purification	>95%
Form/Format	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Concentration	9.4 (varies by lot)
Sequence	The target protein is fused with two N-terminal Tags, His-tag and T7-tag, its sequence is listed below. MGSSHHHH HHSSGLVPRG SHMASMTGGQ QMGRGSEF-R GMYFRMKDEV FRGSRPYESG PLEEFKREF GEHTKMTDVR KPKVMLTGTL SDRQPAELHL FRNYDAPETV REPRFNQNVN LRPPAQPSDQ LVWRAARSSG AAPTYYFRPNG RFLDGGLLAN NPTLDAMTEI HEYNQDLIRK GQANKVKKLS IVVSLGTGRS PQVPVTCVDV FRPSNPWELA KTVFGAKELG KMOVDCCTDP DGRAVDRARA WCEMVGI
Sequence Length	148
Applicable Applications for iPLA2 recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Predicted Molecular Mass	28.5kDa
Accurate Molecular Mass (KD)	29kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Expression System	Prokaryotic expression
Tag	two N-terminal Tags, His-tag and T7-tag
Organism Species	Homo sapiens (Human)
Fragment	Arg484-Ile701
Usage	Reconstitute in sterile PBS, pH7.2-pH7.4.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

IMAGES



SDS-PAGE



Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505847
NCBI GeneID	5319
NCBI Accession #	NP_000919.1
NCBI GenBank Nucleotide #	NM_000928.2
Molecular Weight	16,360 Da
NCBI Official Full Name	phospholipase A2
NCBI Official Synonym Full Names	phospholipase A2, group IB (pancreas)
NCBI Official Symbol	PLA2G1B
NCBI Official Synonym Symbols	PLA2; PLA2A; PPLA2
NCBI Protein Information	phospholipase A2
UniProt Protein Name	Phospholipase A2
UniProt Gene Name	PLA2G1B
UniProt Synonym Gene Names	PLA2; PLA2A; PPLA2
UniProt Entry Name	PA21B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.