

Calcium-dependent phospholipase A2 Recombinant Protein | Pla2g5 recombinant protein

Recombinant Mouse Calcium-dependent phospholipase A2

CATALOG # AAA114124	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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PRODUCT SYNONYMS

Calcium-dependent phospholipase A2; Recombinant Mouse Calcium-dependent phospholipase A2; Group V phospholipase A2; PLA2-10; Phosphatidylcholine 2-acylhydrolase 5; Pla2g5 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	21-137aa; Full Length of Mature Protein
Sequence	GLLELKSMIE KVTGKNAFKN YGFYGCYCGW GGRGTPKDGT DWCCQMHDRC YGQLEEKDCA IRTQSYDYRY TNGLVICEHD SFCPMRLCAC DRKLVYCLRR NLWTYNPLYQ YYPNFLC
Production Note	Special Offer: The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Colihost-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our or email to for more details.
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Pla2g5 recombinant protein	PA2 catalyzes the calcium-dependent hydrolysis of the 2-acyl groups in 3-sn-phosphoglycerides. This isozyme hydrolyzes L-alpha-palmitoyl-2-oleoyl phosphatidylcholine more efficiently than L-alpha-1-palmitoyl-2-arachidonyl phosphatidylcholine, L-alpha-1-palmitoyl-2-arachidonyl phosphatidylethanolamine or L-alpha-1-stearoyl-2-arachidonyl phosphatidylinositol.
References	Low-molecular-weight, calcium-dependent phospholipase A2 genes are linked and map to homologous chromosome regions in mouse and human.Tischfield J.A., Xia Y.R., Shih D.M., Klisak I., Chen J., Engle S.J., Siakotos A.N., Winstead M.V., Seilhamer J.J., Allamand V., Gyapay G., Lusis A.Genomics 32:328-333(1996) Low molecular weight group IIA and group V phospholipase A(2) enzymes have different intracellular locations in mouse bone marrow-derived mast cells.Bingham C.O. III, Fijneman R.J.A., Friend D.S., Goddeau R.P., Rogers R.A., Austen K.F., Arm J.P.J. Biol. Chem. 274:31476-31484(1999)

NCBI AND UNIPROT INFORMATION

NCBI GI #	171906563
NCBI GeneID	18784
NCBI Accession #	NP_001116426.1
NCBI GenBank Nucleotide #	NM_001122954.1
UniProt Accession #	P97391; Q9QZU6
Molecular Weight	29.8 kDa
NCBI Official Full Name	calcium-dependent phospholipase A2
NCBI Official Synonym Full Names	phospholipase A2, group V
NCBI Official Symbol	Pla2g5
NCBI Official Synonym Symbols	PLA2; sPLA2
NCBI Protein Information	calcium-dependent phospholipase A2
UniProt Protein Name	Calcium-dependent phospholipase A2
UniProt Gene Name	Pla2g5
UniProt Entry Name	PA2G5_MOUSE

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.

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Online datasheet: <https://stage.aaabiotech.com/pla2g5-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/114124>