Calcium-dependent phospholipase A2 Recombinant Protein | Pla2g5 recombinant protein

Recombinant Rat Calcium-dependent phospholipase A2

CATALOG #	HOST
AAA114008	**E Coli or Yeast or Baculovirus or Mammalian Cell**

PRODUCT SYNONYMS

Calcium-dependent phospholipase A2; Recombinant Rat 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 KVTGKNAVKN YGFYGCYCGW GGHGTPKDGT DWCCRMHDRC YGLLEEKHCA IRTQSYDYRF TQDLVICEHD SFCPVRLCAC DRKLVYCLRR NLWSYNRLYQ YYPNFLC
Sequence Length	137
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	Cloning, expression and partial characterization of a novel rat phospholipase A2.Chen J., Engle S.J., Seilhamer J.J., Tischfield J.A.Biochim. Biophys. Acta 1215:115-120(1994) Cloning and sequence determination of rat group V phospholipase A2 from ovary.Liang N.S., Su Q.B., Li Y., Yang F., Lu Y., Xie Y.A.

NCBI AND UNIPROT INFORMATION

NCBI GI #	8393974
NCBI GeneID	29354
NCBI Accession #	NP_058870.1
NCBI GenBank Nucleotide #	NM_017174.1
UniProt Accession #	P51433; Q6DQ96
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 Protein Information	calcium-dependent phospholipase A2
UniProt Protein Name	Calcium-dependent phospholipase A2
UniProt Gene Name	**Pla2g5**
UniProt Entry Name	PA2G5_RAT

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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