

Phospholipase A2, membrane associated Recombinant Protein | Pla2g2a recombinant protein

Recombinant Rat Phospholipase A2, membrane associated

CATALOG # AAA115403	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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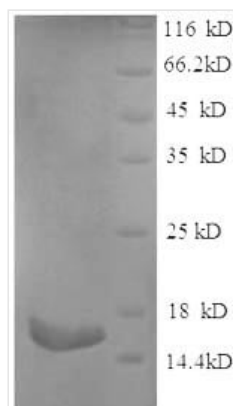
PRODUCT SYNONYMS

Phospholipase A2; membrane associated; Recombinant Rat Phospholipase A2; GIIC sPLA2; Group IIA phospholipase A2; Phosphatidylcholine 2-acylhydrolase 2A; Pla2g2a 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	22-146aa; Full Length
Sequence	SLLEFGQMIL FKTGKRADVS YGFYGCCHCGV GGRGSPKDAT DWCCVTHDCC YNRLEKRGCG TKFLTYKFSY RGGQISCSTN QDSCRKQLCQ CDKAAAECA RNKKSYSYLY QFYPNKFCKG KTPSC
Sequence Length	146
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 Pla2g2a recombinant protein	Thought to participate in the regulation of the phospholipid metabolism in biomembranes including eicosanoid biosynthesis. Catalyzes the calcium-dependent hydrolysis of the 2-acyl groups in 3-sn-phosphoglycerides.
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References	Structure of cDNA coding for rat platelet phospholipase A2.Komada M., Kudo I., Mizushima H., Kitamura N., Inoue K.J. Biochem. 106:545-547(1989) Structure of gene coding for rat group II phospholipase A2.Komada M., Kudo I., Inoue K.Biochem. Biophys. Res. Commun. 168:1059-1065(1990) cDNA cloning and sequence determination of rat membrane-associated phospholipase A2.Ishizaki J., Ohara O., Nakamura E., Tamaki M., Ono T., Kanda A., Yoshida N., Teraoka H., Tojo H., Okamoto M.Biochem. Biophys. Res. Commun. 162:1030-1036(1989) Structure of genomic DNA for rat platelet phospholipase A2.Kusunoki C., Satoh S., Kobayashi M., Niwa M.Biochim. Biophys. Acta 1087:95-97(1990) The primary structure of rat platelet phospholipase A2.Hayakawa M., Kudo I., Tomita M., Nojima S., Inoue K.J. Biochem. 104:767-772(1988) Purification and characterization of a membrane-associated phospholipase A2 from rat spleen. Its comparison with a cytosolic phospholipase A2 S-1.Ono T., Tojo H., Kuramitsu S., Kagamiyama H., Okamoto M.J. Biol. Chem. 263:5732-5738(1988) Amino acid composition and NH2-terminal amino acid sequence of rat platelet secretory phospholipase A2.Hayakawa M., Horigome K., Kudo I., Tomita M., Nojima S., Inoue K.J. Biochem. 101:1311-1314(1987) Immunoaffinity purification, partial sequence, and subcellular localization of rat liver phospholipase A2.Aarsman A.J., de Jong J.G.N., Arnoldussen E., Neys F.W., van Wassenaar P.D., van den Bosch H.J. Biol. Chem. 264:10008-10014(1989)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	291621686
NCBI GeneID	29692
NCBI Accession #	NP_113786.3
NCBI GenBank Nucleotide #	NM_031598.3
UniProt Accession #	P14423
Molecular Weight	16.1 kDa
NCBI Official Full Name	phospholipase A2, membrane associated
NCBI Official Synonym Full Names	phospholipase A2 group IIA
NCBI Official Symbol	Pla2g2a
NCBI Official Synonym Symbols	sPLA2
NCBI Protein Information	phospholipase A2, membrane associated
UniProt Protein Name	Phospholipase A2, membrane associated
UniProt Gene Name	Pla2g2a
UniProt Entry Name	PA2GA_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.