Group IIE Secretory Phospholipase A2 (PLA2G2E) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Group IIE secretory phospholipase A2 (PLA2G2E), Recombinant Protein
Full Product Name	Recombinant Human Group IIE secretory phospholipase A2 (PLA2G2E)
Product Gene Name	PLA2G2E recombinant protein
Product Synonym Gene Name	PLA2G2E
Sequence	NLVQFGVMIE KMTGKSALQY NDYGCYCGIG GSHWPVDQTD WCCHAHDCCY GRLEKLGCEP KLEKYLFSVS ERGIFCAGRT TCQRLTCECD KRAALCFRRN LGTYNRKYAH YPNKLCTGPT PPC
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	15,989 Da
Sequence Positions	20-142, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q9NZK7
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PLA2G2E recombinant protein	MBS1334975 is a recombinant protein targeting PLA2G2E. Also known as Recombinant Human Group IIE secretory phospholipase A2 (PLA2G2E). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of PLA2G2E recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PLA2G2E. It may not necessarily be applicable to this product.

NCBI GI #	7657461
NCBI GeneID	30814
NCBI Accession #	NP_055404.1
UniProt Primary Accession #	Q9NZK7
UniProt Secondary Accession #	Q5VXJ8
UniProt Related Accession #	Q9NZK7

GenBank Nucleotide #	NM_014589.2
NCBI Official Full Name	group IIE secretory phospholipase A2
NCBI Official Synonym Full Names	phospholipase A2 group IIE
NCBI Official Symbol	PLA2G2E
NCBI Official Synonym Symbols	sPLA2-IIE; GIIE sPLA2
UniProt Protein Name	Group IIE secretory phospholipase A2
UniProt Synonym Protein Names	Phosphatidylcholine 2-acylhydrolase 2E
Protein Family	Group IIE secretory phospholipase
UniProt Gene Name	PLA2G2E
UniProt Synonym Gene Names	GIIE sPLA2; sPLA2-IIE
NCBI Protein Information	group IIE secretory phospholipase A2
UniProt Comments for PLA2G2E	PA2 catalyzes the calcium-dependent hydrolysis of the 2-acyl groups in 3-sn-phosphoglycerides. Has a preference for arachidonic-containing phospholipids.
Research Articles on PLA2G2E	**1.** expression of PLA2s-IIE and -V correlates with the development of calcification as well as the expression of pro-osteogenic molecules in human aortic valves
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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