

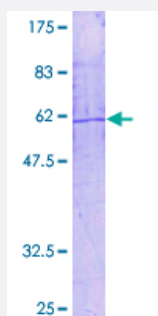
Full-Length

PLA2G4B (Human) Recombinant Protein (P01)

Catalog # H00008681-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PLA2G4B full-length ORF (AAH25290.1, 1 a.a. - 316 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAEAALEAVRSELREFPAAARELCVPLAVPYLDKPPTPLHFYRDWVCPNRPICIRNALQHWPALQ
KWSLPYFRATVGSTEVSAVTPDGYADAVRGDRFMMPAERRRLPSFVLDVLEGRAQHPGVLYV
QKQCSNLPSELPQLLPDLESHVPWASEALGKMPDAVNFWLGEEAAVTSLHKDHYENLYCVVSG
EKHFLFHPPSDRPFIPYELYTPATYQLTEEGTFKVVDEEAMEKVPWIPLDPLAPDLARYPSYSQAQ
ALRCTVRAGEMLYLPALWFHHVQQSQGCIAVNFWYDMEYDLKYSYFQLLDSLTKASGLD

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

60.5

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — JMJD7-PLA2G4B

Entrez GeneID [8681](#)

GeneBank Accession# [BC025290](#)

Protein Accession# [AAH25290.1](#)

Gene Name JMJD7-PLA2G4B

Gene Alias HsT16992, PLA2G4B, cPLA2-beta

Gene Description JMJD7-PLA2G4B readthrough transcript

Omim ID [606088](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene transcribes naturally-occurring mRNAs that are co-transcribed products of the neighboring JMJD7 and PLA2G4B genes. Incompletely processed read-through transcripts from these two loci are abundantly expressed in most tissues, but the function of the predicted protein product has not yet been determined. Alternative splicing of this gene results in different transcript variants, some of which are candidates for nonsense-mediated decay (NMD). [provided by RefSeq]

Other Designations JMJD7-PLA2G4B protein|JMJD7-PLA2G4B read-through|OTTHUMP00000041703|phospholipase A2, group IVB (cytosolic)

Pathway

- [alpha-Linolenic acid metabolism](#)
- [Arachidonic acid metabolism](#)

- [Ether lipid metabolism](#)
- [Fc epsilon RI signaling pathway](#)
- [Glycerophospholipid metabolism](#)
- [GnRH signaling pathway](#)
- [Linoleic acid metabolism](#)
- [Long-term depression](#)
- [MAPK signaling pathway](#)
- [Metabolic pathways](#)
- [Vascular smooth muscle contraction](#)
- [VEGF signaling pathway](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Dyslexia](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Schizophrenia](#)