PLBD2 Protein, Human (HEK293, His)

Cat. No.:	HY-P77148
Synonyms:	Putative phospholipase B-like 2; p76; LAMA-like protein 2; PLBD2
Species:	Human
Source:	HEK293
Accession:	Q8NHP8-1 (I42-D589)
Gene ID:	196463
Molecular Weight:	Approximately 80 & 45 & 32 kDa due to the glycosylation.

PROPERTIES

AA Sequence	I P A P G G R W A R D G Q V P P A S R S R S V L L D V S A G Q L L M V D G R H P D A V A W A N L T N A I R E T G W A F L E L G T S G Q Y N D S L Q A Y A A G V V E A A V S E E L I Y M H W M N T V V N Y C G P F E Y E V G Y C E R L K S F L E A N L E W M Q E E M E S N P D S P Y W H Q V R L T L L Q L K G L E D S Y E G R V S F P A G K F T I K P L G F L L L Q L S G D L E D L E L A L N K T K I K P S L G S G S C S A L I K L L P G Q S D L L V A H N T W N N Y Q H M L R V I K K Y W L Q F R E G P W G D Y P L V P G N K L V F S S Y P G T I F S C D D F Y I L G S G L V T L E T T I G N K N P A L W K Y V R P R G C V L E W V R N I V A N R L A S D G A T W A D I F K R F N S G T Y N N Q W M I V D Y K A F I P G G P S P G S R V L T I L E Q I P G M V V V A D K T S E L Y Q K T Y W A S Y N I P S F E T V F N A S G L Q A L V A Q Y G D W F S Y D G S P R A Q I F R R N Q S L V Q D M D S M V R L M R Y N D F L H D P L S L C K A C N P Q P N G E N A I S A R S D L N P A N G S Y P F Q A L R Q R S H G G I D V K V T S M S L A R I L S L L A A S G P T W D Q V P P F Q W S T S P F S G L L H M G Q P D L W K F A P V K V S W D
Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	PLBD2 Protein, identified as a putative phospholipase, engages in interactions with IGF2R. Although the specific enzymatic activities and detailed functional roles of PLBD2 are yet to be fully characterized, its association with IGF2R suggests a potential involvement in cellular signaling pathways related to insulin-like growth factor 2 receptor-mediated processes. While the precise contribution of PLBD2 to cellular homeostasis and phospholipid metabolism remains unclear, its interaction with IGF2R hints at a possible connection to pathways associated with growth and development. Further research is needed to uncover the specific functions of PLBD2 and elucidate its role in cellular physiology and signaling cascades.

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