

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	<p>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</p> <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</p> <p>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</p> <p>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</p> <p>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</p> <p>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</p> <p>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</p> <p>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</p> <p>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</p> <p>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</p> <p>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</p> <p>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</p> <p>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</p> <p>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</p>
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.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA