

Product Data Sheet

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PLBD2 Protein, Rat (His-SUMO)

Cat. No.:	HY-P71557
Synonyms:	Plbd2; RDCR-0918-3; Putative phospholipase B-like 2; EC 3.1.1; LAMA-like protein 2; Lamina ancestor homolog 2; Phospholipase B domain-containing protein 2
Species:	Rat
Source:	E. coli
Accession:	Q4QQW8 (36G-585D)
Gene ID:	246120
Molecular Weight:	Approximately 77.9 kDa

PROPERTIES

AA Sequence							
,	GALPTLGPGW	RRQNPEPPAS	RTRSLLLDAA	SGQLRLEYGF			
	HPDAVAWANL	TNAIRETGWA	YLDLGTNGSY	NDSLQAYAAG			
	VVEASVSEEL	ΙΥΜΗΨΜΝΤΥΥ	NYCGPFEYEV	GYCEKLKSFL			
	EANLEWMQRE	MELSPDSPYW	HQVRLTLLQL	KGLEDSYEGR			
	LTFPTGRFNI	KPLGFLLLQI	SGDLEDLEPA	LNKTNTKPSV			
	GSGSCSALIK	LLPGSHDLLV	AHNTWNSYQN	MLRIIKKYRL			
	QFREGPQEEY	PLIAGNNLIF	SSYPGTIFSG	DDFYILGSGL			
	VTLETTIGNK	NPALWKYVQP	QGCVLEWIRN	IVANRLALDG			
	ATWADVFRRF	NSGTYNNQWM	IVDYKAFIPN	G P S P G S R V L T			
	ILEQIPGMVV	VADKTAELYK	ΤΤΥΨΑΣΥΝΙΡ	YFESVFNASG			
	LQALVAQYGD	WFSYTRNPRA	KIFQRDQSLV	EDVDTMVRLM			
	RYNDFLHDPL	SLCEACSPKP	NAENAISARS	DLNPANGSYP			
	FQALRQRAHG	GIDVKVTSVA	LAKYMSMLAA	SGPTWDQLPP			
	FQWSKSPFHN	MLHMGQPDLW	MFSPVKVPWD				
Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.						
Appearance	Lyophilized powder.						
Formulation	Lyophilized after extensive dialysis against solution in Tris-based buffer, 50% glycerol.						
Endotoxin Level	<1 EU/µg, determined by LAL method.						
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 $\mu\text{g}/\text{mL}$ in ddH_2O.						
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 con	tinental US; may vary elsew	here.				

DESCRIPTION

Background

PLBD2 Protein, identified as a putative phospholipase, exhibits a potential role in cellular processes by interacting with IGF2R. While the specific enzymatic functions and detailed mechanisms of PLBD2 remain to be fully elucidated, its interaction with IGF2R suggests a potential involvement in cellular signaling pathways related to insulin-like growth factor 2 receptor-mediated processes. The precise contribution of PLBD2 in cellular homeostasis, phospholipid metabolism, or other regulatory pathways warrants further investigation. The interaction with IGF2R adds a layer of complexity to PLBD2's potential functions, suggesting a connection to cellular pathways associated with growth and development. Further studies are needed to unravel the intricate role of PLBD2 in cellular physiology and its functional implications in cellular signaling cascades.

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

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