

Datasheet for ABIN7556239
LYPLA2 Protein (AA 1-231) (His tag)



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Overview

Quantity:	1 mg
Target:	LYPLA2
Protein Characteristics:	AA 1-231
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LYPLA2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Lypla2 Protein expressed in mammalian cells.
Sequence:	MCGNTMSVPL LTDAATVSGA ERETAAVIFL HGLGDTGHSW ADALSTIRLP HVKYICPHAP RIPVTLNMKM VMPSWFDLMG LSPDAPEDEA GIKKAAENIK ALIEHEMKNG IPANRIVLGG FSQGGALSLY TALTCPHPLA GIVALSCWLP LHRNFPQAAN GSAKDLAILQ CHGELDPMVP VRFGALTAEK LRTVVTPARV QFKTYPGVMH SSCPQEMAAV KEFLEKLLPP V Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	LYPLA2
Alternative Name:	Lypla2 (LYPLA2 Products)
Background:	Acyl-protein thioesterase 2 (APT-2) (EC 3.1.2.-) (Lysophospholipase 2) (Lysophospholipase II) (LPL-II) (LysoPLA II) (mLyso II) (Palmitoyl-protein hydrolase) (EC 3.1.2.22),FUNCTION: Acts as an acyl-protein thioesterase hydrolyzing fatty acids from S-acylated cysteine residues in proteins such as trimeric G alpha proteins, GAP43, ZDHHC6 or HRAS (By similarity). Deacylates GAP43 (By similarity). Mediates depalmitoylation of ZDHHC6 (By similarity). Has lysophospholipase activity (PubMed:10064901). Hydrolyzes prostaglandin glycerol esters (PG-Gs) (PubMed:25301951). Hydrolyzes PG-Gs in the following order prostaglandin D2-glycerol ester (PGD2-G) > prostaglandin E2 glycerol ester (PGE2-G) > prostaglandin F2-alpha-glycerol ester (PGF2-alpha-G) (By similarity). Hydrolyzes 1-arachidonoylglycerol but not 2-arachidonoylglycerol or arachidonylethanolamide (By similarity). {ECO:0000250 UniProtKB:O95372, ECO:0000269 PubMed:10064901}.
Molecular Weight:	24.8 kDa
UniProt:	Q9WTL7

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months
