

Recombinant Mouse Acyl-protein thioesterase 1(Lypla1)

Catalog No: #AP70518

Package Size: #AP70518-1 20ug #AP70518-2 100ug #AP70518-3 1mg

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Description

Product Name	Recombinant Mouse Acyl-protein thioesterase 1(Lypla1)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-230aaSequence Info:Full Length
Other Names	Lysophospholipase 1Lysophospholipase I ;LPL-I ;LysoPLA I
Accession No.	P97823
Calculated MW	51.7 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	MCGNNMSAPMPAVVPAARKATAAVIFLHGLGDTGHGWAEAFAGIKSPHIKYICPHAPVMPVTLNMNMAMPSW FDIVGLSPDSQEDESIGKQAAETVKALIDQEVKNGIPSNRIILGGFSQGGALSLYTALTQQKLAGVTALSCWLP LRASFSQGPINSANRDISVLQCHGDCDPLVPLMFGSLTVERLKALINPANVTFKIYEGMMHSSCQEMMDVKH FIDKLLPPID
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Hydrolyzes fatty acids from S-acylated cysteine residues in proteins such as trimeric G alpha proteins or HRAS. Has depalmitoylating activity toward KCNMA1. Has low lysophospholipase activity .

References

Label-free quantitative proteomics of the lysine acetylome in mitochondria identifies substrates of SIRT3 in metabolic pathways.Rardin M.J., Newman J.C., Held J.M., Cusack M.P., Sorensen D.J., Li B., Schilling B., Mooney S.D., Kahn C.R., Verdin E., Gibson B.W.Proc. Natl. Acad. Sci. U.S.A. 110:6601-6606(2013)Research Topic:Others

Note: This product is for in vitro research use only and is not intended for use in humans or animals.