

Recombinant Human LIPH, His-tagged

Cat. No. LIPH-127H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Lipase Member H/LIPH is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Glu19-Leu451) of Human LIPH fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	19-451 a.a.
Description	Lipase Member H (LIPH) is a secreted protein that is a member of the Lipase family of AB hydrolase superfamily. LIPH catalyzes the production of 2-acyl lysophosphatidic acid (LPA), which is a lipid mediator with diverse biological properties that include platelet aggregation, smooth muscle contraction, and stimulation of cell proliferation and motility. However, LIPH does not hydrolyze other phospholipids, like phosphatidylserine (PS), phosphatidylcholine (PC) and phosphatidylethanolamine (PE) or triacylglycerol (TG).
AA Sequence	EETCPSFTRLFSFHSVVGTGLNVRLMLYTRKNLTCAQTINSS AFGNLNVTKKTTFIV HGFRPT GSPPVWMDDLKGLLSVEDMNVVVVDWNRGATTLIYTHASSKTRKVAMV LKEFIDQMLAEGASLD DIYMIGVSLGAHISGFVGMEDGWLGRLTGLDPAGPLFNGK PHQDRLDPSDAQFVDVIHSDTDAL GYKEPLGNIDFYPNGGLDQPGCPKTLGGFQY FKCDHQRSVYLYLSSLRESCTITAYPCDSYQDY RKGKCVSCGTSQKESCPLLGYA DNWKDHLRGKDPPMTKAFFDTAEESPFMYHYFVDIITWNKN VRRGDITIKLRDKA

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GNTTESKINHEPTTFQKYHQVSLARFNQDLKVA AISLMFSTGSLIGPRY KLRILRM
KLRSLAHPERPQLCRYDLVLMENVETVFQPILCPQL

Endotoxin Less than 0.1 ng/μg (1 IEU/μg).

Purity Greater than 95% as determined by reducing SDS-PAGE.

GENE INFORMATION

Gene Name LIPH lipase, member H [Homo sapiens]

Official Symbol LIPH

Synonyms LIPH; lipase, member H; lipase member H; mPA PLA1; PLA1B; lipase H; mPA-PLA1 alpha; phospholipase A1 member B; LPD lipase-related protein; membrane-bound phosphatidic acid-selective phospholipase A1; membrane-associated phosphatidic acid-selective phospholipase A1-alpha; AH; LAH2; ARWH2; LPDLR; mPA-PLA1;

Gene ID 200879

mRNA Refseq NM_139248

Protein Refseq NP_640341

MIM 607365

UniProt ID Q8WWY8

Chromosome Location 3q27

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Function

heparin binding; hydrolase activity; phospholipase activity;

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