

## Product datasheet for TP301637

### Lysosomal acid lipase (LIPA) (NM\_000235) Human Recombinant Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human lipase A, lysosomal acid, cholesterol esterase (LIPA), transcript variant 2
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC201637 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MKMRFLGLVCLVLWPLHSEGGKLTALDPETNMNVSEIISYWGFPSSEYLVETEDGYILCLNRIPHGR KNHSDKGPKPVFLQHGLLADSSNWVTNLANSLSLGFILADAGFDVWVMGNSRGNTWSRKHKTLVSQDEFW AFSYDEMAKYDLPASINFILNKTGQEQVYVGHSGQTTIGFIAFSQIPELAKRIKMFFALGPVASVAFCT SPMAKLGRLPDHLIKDLFGDKEFLPQSAFLKWLGTHVCTHVILKELCGNLCFLLCGFNERNLNMSRVVY TTHSPAGTSVQNMLHWSQAVKFQKFQAFDWGSSAKNYFHYNQSYPTYNVKDMLVPTAVWSGGHDWLADV YDVNILLTQITNLV FHESIPEWEHLDFIWGLDAPWRLYNKIINLMRKYQ
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	43 kDa
<b>Concentration:</b>	>50 ug/mL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_000226</a>
<b>Locus ID:</b>	3988
<b>UniProt ID:</b>	<a href="#">P38571</a>



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RefSeq Size: 2775

Cytogenetics: 10q23.31

RefSeq ORF: 1197

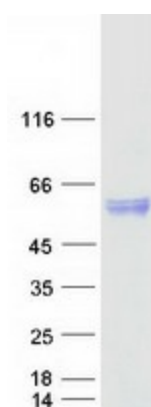
Synonyms: CESD; LAL

**Summary:** This gene encodes lipase A, the lysosomal acid lipase (also known as cholesterol ester hydrolase). This enzyme functions in the lysosome to catalyze the hydrolysis of cholesteryl esters and triglycerides. Mutations in this gene can result in Wolman disease and cholesteryl ester storage disease. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jan 2014]

**Protein Families:** Druggable Genome

**Protein Pathways:** Lysosome, Steroid biosynthesis

### Product images:



Coomassie blue staining of purified LIPA protein (Cat# TP301637). The protein was produced from HEK293T cells transfected with LIPA cDNA clone (Cat# [RC201637]) using MegaTran 2.0 (Cat# [TT210002]).