

## Product datasheet for PH313528

### LCTL (NM\_207338) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	LCTL MS Standard C13 and N15-labeled recombinant protein (NP_997221)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC213528
Predicted MW:	64.9 kDa
Protein Sequence:	>RC213528 representing NM_207338 Red=Cloning site Green=Tags(s)

MKPVWVATLLWMLLLVPRLGAARKGSPEEASFYYGTFFPLGFSWGVGSSAYQTEGAWDQDGKGPSIWDVFT  
HSGKGVKVLGNETADVACDGYKQVEDIILLRELHVNHYRFSLSWPRLPTGIRAEQVNKKGIEFYSDLID  
ALLSSNITPIVTLHHWDLPQLLQVKYGGWQNVSMANYFRDYANLCEAFGDRVKHWITFSDPRMAEKGY  
ETGHHAPGLKLRGTGLYKAAHHIIKAHAKAWHSYNTTWRSKQQGLVGISLNCDWGEPVDISNPKDLEAAE  
RYLQFCLGWANPIYAGDYPQVMKDYIGRKSAEQGLEMSRLPVFSLQEKSIIKGTSDFLGLGHFTTRYIT  
ERNYPSRQGPSYQNRDLIELVDPNWPDLGSKWLYSVPWGFRRLLNFAQTQYGDPIIYVMENGASQKFC  
TQLCDEWRIQYLKGYINEMLKAIKDGANIKGYTSWLLDKFEWEKGYSRDYGFYVVEFNDRNKPRYPKAS  
VQYYKKIIIIANGFPNPREVESWYLKALETCSINNQLAAEPLLSHMVMTEIVVPTVCSLCVLTAVLLM  
LLLRQSQS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_997221</a>
RefSeq Size:	2128
RefSeq ORF:	1701



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**Synonyms:** KLG; KLPH

**Locus ID:** 197021

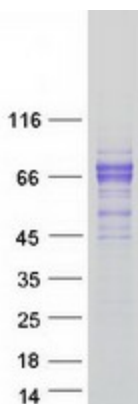
**UniProt ID:** [Q6UWM7](#)

**Cytogenetics:** 15q22.31

**Summary:** This gene encodes a member of family 1 glycosidases. Glycosidases are enzymes that hydrolyze glycosidic bonds and are classified into families based on primary amino acid sequence. Most members of family 1 have two conserved glutamic acid residues, which are required for enzymatic activity. The mouse ortholog of this protein has been characterized and has a domain structure of an N-terminal signal peptide, glycosidase domain, transmembrane domain, and a short cytoplasmic tail. It lacks one of the conserved glutamic acid residues important for catalysis, and its function remains to be determined (PMID: 12084582). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2013]

**Protein Families:** Transmembrane

### Product images:



Coomassie blue staining of purified LCTL protein (Cat# [TP313528]). The protein was produced from HEK293T cells transfected with LCTL cDNA clone (Cat# [RC213528]) using MegaTran 2.0 (Cat# [TT210002]).