

Product datasheet for TP313528L

LCTL (NM_207338) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human lactase-like (LCTL), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC213528 representing NM_207338 Red=Cloning site Green=Tags(s)

MKPVVWATLLWMLLLVPRLGAARKGSPEEASFYGTFFPLGFSWGVGSSAYQTEGAWDQDGKGPSIWDVFT
HSGKGVKVLGNETADVACDGYKQVEDIILLRELHVNHYRFSLSWPRLLPTGIRAEQVNKKGIEFYSDLID
ALLSSNITPIVTLHHWDL PQLLQVKYGGWQNVSMANYFRDYANL CFEAFGDRVKHWITFS DPRAMAEKGY
ETGHHAPGLKLRGTGLYKAAHIIKAHAKAWHSYNTTWR SKQQGLV GISLNC DWGEPVDISNPKDLEAAE
RYLQFCLGW FANPIYAGDYPQVMKDYIGRKS AEQGLEMSR LPVFSLQEKSYIKGTSDFLGLGHFTTRYIT
ERNYPSRQGPSYQNDRLIELVDPNWPDLGSKWLYSVPWGFRRLLNFAQTQYGDPP IYVMENGASQKFHC
TQLCDEWRIQYLKGYINEMLKAIKDGANIKGYTSWLLDKFEWEKGYS DRYGFYVFEFNDRNKPRYPKAS
VQYYKKIIIANGFPNPREVESWYLKALETCSINNQMLAAEPLLSHMQMVTEIVVPTVCSLCVLITAVLLM
LLRRQS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

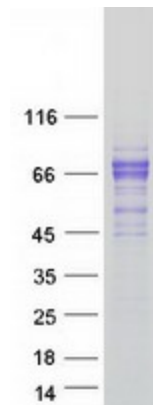
Tag:	C-Myc/DDK
Predicted MW:	64.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_997221
Locus ID:	197021
UniProt ID:	Q6UWM7
RefSeq Size:	2128
Cytogenetics:	15q22.31
RefSeq ORF:	1701
Synonyms:	KLG; KLPH
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]).