

Product datasheet for **SC321085**

Pancreatic Lipase (PNLIP) (NM_000936) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pancreatic Lipase (PNLIP) (NM_000936) Human Untagged Clone
Tag:	Tag Free
Symbol:	Pancreatic Lipase
Synonyms:	PL; PNLIPD; PTL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_000936.2
 ATGCTGCCACTTTGGACTCTTTCACTGCTGCTGGGAGCAGTAGCAGGAAAAGAAGTTTGC
 TACGAAAGACTCGGCTGCTTCAGTGACTGCCCATGGTCAGGAATTACGAAAGACCC
 CTCATATATTGCCTTGGTCTCCAAAAGATGTCAACACCCGCTTCTCCTATATACTAAT
 GAGAACCCAAACAACCTTTCAAGAAGTTGCCGAGATTCATCAAGCATCAGTGGCTCCAAT
 TTCAAAACAAATAGAAAACTCGCTTTATTATTCATGGATTCATAGACAAGGGAGAAGAA
 AACTGGCTGGCCAATGTGTGCAAGAATCTGTTCAAGGTGGAAAGTGTGAAGTGTATCTGT
 GTGGACTGAAAGGTGGCTCCCGAACTGGATACACACAAGCCTCGCAGAACATCAGGATC
 GTGGGAGCAGAAGTGGCATATTTTGTGAATTTCTTCAGTCGGCGTTTCGGTTACTCACCT
 TCCAACGTGCATGTCATTGGCCACAGCCTGGGTGCCACGCTGCTGGGGAGGCTGGAAGG
 AGAACCAATGGGACCATTGGACGCATCACAGGGTTGGACCCAGCAGAACCTTGCTTTCAG
 GGCACACCTGAATTAGTCCGATTGGACCCAGCGATGCCAAATTTGTGGATGTAATTCAC
 ACGGATGGTGCCCCATAGTCCCAATTTGGGGTTTGAATGAGCCAAGTCGTGGGCCAC
 CTAGATTTCTTTCCAAATGGAGGAGTGGAAATGCCTGGATGTAAGAAAGAACATTCTCTCT
 CAGATTGTGGACATAGACGGAATCTGGGAAGGGACTCGAGACTTTGCGGCCTGTAATCAC
 TTAAGAAGCTACAAATATTACACTGATAGCATCGTCAACCCTGATGGCTTTGCTGGATT
 CCCTGTGCCTCTTACAACGTCTTCACTGCAAAACAAGTGTTCCTTGTCCAAGTGGAGGC
 TGCCACAGATGGGTCACTATGCTGATAGATATCCTGGGAAAACAATGATGTGGGCCAG
 AAATTTTATCTAGACACTGGTGATGCCAGTAATTTTGCACGTTGGAGGTATAAGGTATCT
 GTCACACTGTCTGAAAAAAGGTTACAGGACACATACTAGTTTCTTTGTTTCGGAATAAA
 GGAAACTCTAAGCAGTATGAAATTTTCAAGGGCACTCTCAAACCAGATAGTACTCATTCC
 AATGAATTTGACTCAGATGTGGATGTTGGGGACTTGCAGATGGTTAAATTTATTTGGTAT
 AACAAATGTGATCAACCCAACTTTACCTAGAGTGGGAGCATCCAAGATTATAGTGGAGACA
 AATGTTGGAAAACAGTTCAACTTCTGTAGTCCAGAAACCGTCAGGGAGGAAGTTCTGCTC
 ACCCTCACACCGTGTAGGAGACTACTGTTATTTGACCAATGAATTGACTTCTAATAAAA
 TCTAGTGGTATGCGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA



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Restriction Sites:	Please inquire
ACCN:	NM_000936
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_000936.2 , NP_000927.1
RefSeq Size:	1502 bp
RefSeq ORF:	1398 bp
Locus ID:	5406
UniProt ID:	P16233
Cytogenetics:	10q25.3
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Glycerolipid metabolism, Metabolic pathways
Gene Summary:	This gene encodes a member of the lipase family of proteins. The encoded enzyme is secreted by the pancreas and hydrolyzes triglycerides in the small intestine, and is essential for the efficient digestion of dietary fats. Inhibition of the encoded enzyme may prevent high-fat diet-induced obesity in mice and result in weight loss in human patients with obesity. Mutations in this gene cause congenital pancreatic lipase deficiency, a rare disorder characterized by steatorrhea. [provided by RefSeq, Jul 2016]