

Product datasheet for **SC126073**

Pancreatic Lipase (PNLIP) (BC014309) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Pancreatic Lipase (PNLIP) (BC014309) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | PNLIP |
| Synonyms: | OTTHUMP00000020564; pancreatic lipase; pancreatic triacylglycerol lipase; PL; triacylglycerol acylhydrolase |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Cell Selection: | None |

Fully Sequenced ORF: >OriGene sequence for BC014309 edited
 ATGCTGCCACTTTGGACTCTTTCACTGCTGCTGGGAGCAGTAGCAGGAAAAGAAGTTTGC
 TACGAAAGACTCGGCTGCTTCAGTGATGACTCCCATGGTCAGGAATTACGAAAGACCC
 CTCATATATTGCCTTGGTCTCCAAAAGATGTCAACACCCGCTTCTCCTATATACTAAT
 GAGAACCCAAACAACCTTTCAAGAAGTTGCCGAGATTCATCAAGCATCAGTGGCTCCAAT
 TTCAAACAATAGAAAACTCGCTTTATTATTCATGGATTCATAGACAAGGGAGAAGAA
 AACTGGCTGGCCAATGTGTGCAAGAATCTGTTCAAGGTGGAAAGTGTGAAGTGTATCTGT
 GTGGACTGGAAGGTGGCTCCCGAACTGGATACACACAAGCCTCGCAGAACATCAGGATC
 GTGGGAGCAGAAGTGGCATATTTTGTGAATTTCTTCAGTCGGCGTTTCGGTTACTCACCT
 TCCAACGTGCATGTCATTGGCCACAGCCTGGGTGCCACGCTGCTGGGGAGGCTGGAAGG
 AGAACCAATGGGACCATTGGACGCATCACAGGGTTGGACCCAGCAGAACCTTGCTTTCAG
 GGCACACCTGAATTAGTCCGATTGGACCCAGCGATGCCAAATTTGTGGATGTAATTCAC
 ACGGATGGTGCCCCATAGTCCCAATTTGGGGTTTGAATGAGCCAAGTCGTGGGCCAC
 CTAGATTTCTTTCCAAATGGAGGAGTGGAAATGCCTGGATGTAAGAAACATTCTCTCT
 CAGATTGTGGACATAGACGGAATCTGGGAAGGGACTCGAGACTTTGCGGCCTGTAATCAC
 TTAAGAAGCTACAAATATTACACTGATAGCATCGTCAACCCTGATGGCTTTGCTGGATT
 CCCTGTGCCTCTTACAACGTCTTCACTGCAAACAAGTGTTCCTTGTCCAAGTGGAGGC
 TGCCACAGATGGGTCACTATGCTGATAGATATCCTGGGAAAACAATGATGTGGGCCAG
 AAATTTTATCTAGACACTGGTGATGCCAGTAATTTTGCACGTTGGAGGTATAAGGTATCT
 GTCACACTGTCTGAAAAAAGGTTACAGGACACATACTAGTTTCTTTGTTTCGGAATAAA
 GGAAACTCTAAGCAGTATGAAATTTTCAAGGGCACTCTCAAACCAGATAGTACTCATTCC
 AATGAATTTGACTCAGATGTGGATGTTGGGGACTTGCAGATGGTTAAATTTATTTGGTAT
 AACAAATGTGATCAACCAACTTTACCTAGAGTGGGAGCATCCAAGATTATAGTGGAGACA
 AATGTTGGAAAACAGTTCAACTTCTGTAGTCCAGAAACCGTCAGGGAGGAAGTTCTGCTC
 ACCCTCACACCGTGTAGGAGACTACTGTTATTTGACCAATGAATTGACTTCTAATAAAA
 TCTAGTGGTGTGCGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA



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| Restriction Sites: | NotI-NotI |
| ACCN: | BC014309 |
| 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). |
| 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: | BC014309.2 , AAH14309.1 |
| RefSeq Size: | 1483 bp |
| Locus ID: | 5406 |
| 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] |