

Product datasheet for **SC307134**

PTF1A (NM_178161) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PTF1A (NM_178161) Human Untagged Clone
Tag:	Tag Free
Symbol:	PTF1A
Synonyms:	bHLHa29; p48; PACA; PAGEN2; PTF1-p48
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_178161 edited ATGGACGGGTGTTGCTGGAGCACTTCCCCGGGGCCTAGACGCCTTTCCTTCTTCGTAC TTCGACGAGGACGACTTCTTACCGACCAGTCTTACGGGACCCCTGGAGGACGGCGAT GAGCTGCTGGCGGACGAGCAGGCCGAGGTGGAGTTCCTTAGCCACCAGCTCCACGAGTAC TGCTACCGCGACGGGGCGTGCCTGCTGCTGCAGCCCGCGCCCCGGCCCGCCCGTAGCG CTCGCCCCCGCTCCTCGGGGGCCTCGGTGAGCCAGACGACGGCGGGCGGGCGGCTAC TGCTGCGAGACGGGGCGCCCCAGGGGCTTCCCCTACTCGCCCGGCTCGCCGCCCTCG TGCCTGGCCTACCCGTGCGCCGGGGCGGCAGTACTGTCTCCGGGGCGGGCTGCGCGGC CTGAGCGGAGCGGGCTGCGGGCGCGGGCGCCGGCGGGTGCCTCCGAGGCGGAG CTGCAGCAGCTGCGGCAGGCGGCAACGTGCGCGAGCGGGCGCATGCAGTCCATCAAC GACGCCTTCGAGGGGCTGCGCTCGCACATCCCCACGCTGCCCTACGAGAAGCGCCTCTCC AAGGTGGACACGCTGCGCCTGGCCATCGGCTACATCAACTTCTCAGCGAGCTCGTGCAG GCCGACCTGCCCTTGC CGGGCGGTGGCGGGGGCGGCTGCGGGGGCCGGGCGGGCGGG CGCCTGGGCGGGGACAGCCCGGGCAGCCAGGCCAGAAGGTCATCATCTGCCATCGGGGC ACCCGGTCCCCCTCCCCAGCGACCCTGATTATGGCCTCCCTCCCTAGCAGGACTCT CTCTCATGGACTGATGAAAAAACAACCAAGGAACAAAATATTATCCGAACAGCCAAAGTC TGGACCCAGAGGACCCAGAAAACCAACAGCAAATCTTCTTCAACAACATAGAAAAC GAACCACATTTGAGTTTGTGTCCTGA
Restriction Sites:	Please inquire
ACCN:	NM_178161
Insert Size:	1000 bp



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OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
OTI Annotation:	<p>The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.</p>
Components:	<p>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).</p>
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:	<p>NM_178161.1, NP_835455.1</p>
RefSeq Size:	<p>987 bp</p>
RefSeq ORF:	<p>987 bp</p>
Locus ID:	<p>256297</p>
UniProt ID:	<p>Q7RTS3</p>
Cytogenetics:	<p>10p12.2</p>
Protein Families:	<p>Embryonic stem cells, ES Cell Differentiation/IPS</p>
Gene Summary:	<p>This gene encodes a protein that is a component of the pancreas transcription factor 1 complex (PTF1) and is known to have a role in mammalian pancreatic development. The protein plays a role in determining whether cells allocated to the pancreatic buds continue towards pancreatic organogenesis or revert back to duodenal fates. The protein is thought to be involved in the maintenance of exocrine pancreas-specific gene expression including elastase 1 and amylase. Mutations in this gene cause cerebellar agenesis and loss of expression is seen in ductal type pancreas cancers. [provided by RefSeq, Jul 2008]</p>