

Product datasheet for **MC209252**

Ptf1a (NM_018809) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptf1a (NM_018809) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ptf1a
Synonyms:	bHLHa29; PTF1-p48; PTF1p48
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC209252 representing NM_018809 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**C

ATGGACGCCGTACTCCTGGAGCACTTCCCCGGGGCCCTGGACACCTTCCCATCCCCTTACTTTGATGAGG
AAGATTTCTTCACCGACCAGTCTCTCGGGACCCGCTGGAGGACAGCGACGAGCTGCTGGGGACGAGCA
AGCAGAAGTAGAGTTCTCAGCCACCAGCTACACGAATACTGCTACCGGACGGGGCGTGCCTGCTGCTG
CAACCCGCGCCCTCGGCCGCCCGCACGCGCTCGCCCCGCCCTTTGGGGATCCTGGCGAGCCCGAGG
ACAACGTCAGCTATTGCTGCGATGCAGGGGCTCCTCCTGCTGCCTTCCCCTACTCGCCTGGCTCACCGCC
CTCGTGCTCGCTACCCGTGTGCCGCGGTGCTGTCCCCGGTGCAGCGGCTCGGTGGTTGAACGGGGCT
GCGGCAGCGGGCGCAGCAAGGCGGGCGGACGCGTGCCTCCGAGGCGGAGCTGCAGCAGCTGCGACAAG
CCGCTAATGTGCGAGAGCGGGCCGCATGCAGTCCATCAACGACGCCTTCGAGGGGCTGCGTTCGCACAT
CCCCACGCTACCTACGAAAAGCGCCTCTCAAAGTAGACACGCTGCGCTTGCCATAGGCTACATTAAC
TTCTCAGCGAGCTGGTGAAGCCGACCTGCCGCTGCGCGGGAGTGCGCAGGTGGTTGCGGGGGCCAG
GTGGCAGCCGGCACCTCGGAGAGGACAGTCCCGTAACGAGCCAGAAGTTATCATCTGCCATCGAGG
CACCCGTTACCCTCCCCAGTGACCCGGATTATGGTCTCCCTCCTTTGCAGGGCACTCTTTTCTGG
ACTGATGAAAAACAGCTCAAAGAACAAAATATCATCCGTACAGCTAAAGTGTGGACCCAGAGGACCCCA
GAAAACCAACAGTAAATCTTTCGACAACATAGAGAACGAACCACCTTTGAGTTTGTGCT**TGA**

AG**GCGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-RsrII
ACCN:	NM_018809
Insert Size:	975 bp



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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:	NM_018809.2 , NP_061279.2
RefSeq Size:	1508 bp
RefSeq ORF:	975 bp
Locus ID:	19213
UniProt ID:	Q9QX98
Cytogenetics:	2 A3
Gene Summary:	Transcription factor implicated in the cell fate determination in various organs. Binds to the E-box consensus sequence 5'-CANNTG-3'. Plays a role in early and late pancreas development and differentiation. Important for determining whether cells allocated to the pancreatic buds continue towards pancreatic organogenesis or revert back to duodenal fates. May be involved in the maintenance of exocrine pancreas-specific gene expression including ELA1 and amylase. Required for the formation of pancreatic acinar and ductal cells. Plays an important role in cerebellar development. Directly regulated by FOXN4 and RORC during retinal development, FOXN4-PTF1A pathway plays a central role in directing the differentiation of retinal progenitors towards horizontal and amacrine fates. [UniProtKB/Swiss-Prot Function]