

Product datasheet for **MC209251**

Ptcra (NM_011195) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ptcra (NM_011195) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ptcra
Synonyms: gp33; pT-alpha; pT-alpha-TCR; pTa; pTalpha; pT[a]
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209251 representing NM_011195
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTTCTCCACGAGTGGGCCATGGCTAGGACATGGCTGCTGCTTCTGGGCGTCAGGTGTCAGGCTC
TACCATCAGGCATCGCTGGCACCCCTTCCGCTCTGGCTCCACCCATCACACTGCTGGTAGATGGAAG
GCAGCACATGCTGGTGGTTTGCCTGGTCTCGATGCGGCACCCCTGGCCTTGACAACCTGTCTGGTTC
TCAGCTGGCAATGGCAGTGCCCTAGACGCTTACCTATGGGCCCTCTCTGGCACCGACGGCACCTGGA
CTAGCCTGGCCCAGCTCTCCTTGCCCTTGAAGAGCTGGAAGCCTGGGAGCCCTGGTCTGTACACCAG
GCCTGGGGCTGGGGGACAGAACCGGAGCACACCCCTCCAGCTGTGAGGGGAATCTTCGACAGCCAGG
AGCTGCTTCCGGAGCCTCTCGGGGGACACAGCGGCAGGTAAGTGGCTGAGCCTACTGCGCCTGCTCC
TCTTCAAAGTCTTCTGCTCGATGTGCTCCTGACCTGCAGCCACCTCCGCTCCATGTGCTGGCGGGCCA
GCACCTCCAGCCACCACCTCACGCAAGTCCCTGCCTCCACCCACAGAATTTGGACATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_011195
Insert Size: 621 bp
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).



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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:	<u>NM_011195.2</u> , <u>NP_035325.1</u>
RefSeq Size:	1283 bp
RefSeq ORF:	621 bp
Locus ID:	19208
UniProt ID:	<u>P0C6B2</u>
Cytogenetics:	17 C
Gene Summary:	The pre-T-cell receptor complex (composed of PTCRA, TCRB and the CD3 complex) regulates early T-cell development. Isoform 1 acts to retain most TCRB intracellularly, while isoform 2 permits higher levels of cell surface TCRB expression and facilitates signaling from the CD3-TCRB complex.[UniProtKB/Swiss-Prot Function]