

Product datasheet for **SC331963**

PTCRA (NM_001243169) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PTCRA (NM_001243169) Human Untagged Clone
Tag: Tag Free
Symbol: PTCRA
Synonyms: PT-ALPHA; PTA
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331963 representing NM_001243169.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGGCCGGTACATGGCTGCTACTTCTCCTGGCCCTTGGGTGCCAGCCCTACCCACAGGTCTGTTTC
TTCCTTCTCACCAGAGGCTGCCACAACAGGCCCATCTGGTTCTCAGCCGGCAATGGCAGTGCCTG
GATGCCTTCACTATGGCCCTTCCCAGCAACGGATGGCACCTGGACCACTTGGCCCATCTCTCCCTG
CCTTCTGAGGAGCTGGCATCCTGGGAGCCTTTGGTCTGCCACACTGGGCCTGGGGCTGAGGGTACAGC
AGGAGTACACAGCCCATGCATCTGTGAGGAGGCTTCTACAGCCAGGACCTGCCCCAGGAGCCTCTC
AGGGGACACCGGGTGGGGCGCTGTGGTGGGGTCTGCGGCTGCTGCTTCAAGCTGCTGCTGTTT
GACCTGCTCCTGACCTGCAGCTGCTGTGCGACCCGCGGGCCCGCTGCCTTCCCCGCAACCACCACC
CGCTGCGAGCCCTCGGCTCCCATCGACTGCACCCGGCCACGGAGACTGGGGGACGAGAGCCACCAGC
TACCCAGACCCAGCCTCGGGACCGCCGCTGGGGTGACACCCTCCGGGTGGAAGCCGGGAGCCCA
GTATGGGGGAAGGGTCTTACCTCAGCAGTTACCCCACTTGCCAGCACAGGCCTGGTGCTCAAGATCT
GCCCTCAGGGCTCCTTCTCCAGTCTTGGAGCATTTTTGAGGTGACCTGCCTCCTCTGCAAGCT
GGAGCTGCC
```

Restriction Sites: SgfI-MluI
ACCN: NM_001243169
Insert Size: 771 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).
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).



[View online »](#)

Reconstitution Method:

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_001243169.1](#)

RefSeq Size: 1022 bp

RefSeq ORF: 771 bp

Locus ID: 171558

UniProt ID: [Q6ISU1](#)

Cytogenetics: 6p21.1

Protein Families: Transmembrane

Protein Pathways: Notch signaling pathway

MW: 26.6 kDa

Gene Summary: The protein encoded by this gene is a single-pass type I membrane protein that is found in immature but not mature T-cells. Along with TCRB and CD3 complex, the encoded protein forms the pre-T-cell receptor complex, which regulates early T-cell development. Four transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Jul 2011]

Transcript Variant: This variant (3) uses alternate in-frame splice junctions at the 5' ends of two exons and contains an alternate in-frame exon compared to variant 1. The resulting isoform (3) contains an alternate internal segment but lacks two others compared to isoform 1.