

## Product datasheet for **SC331964**

### PTCRA (NM\_001243170) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** PTCRA (NM\_001243170) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** PTCRA  
**Synonyms:** PT-ALPHA; PTA  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC331964 representing NM\_001243170.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGGCCGGTACATGGCTGCTACTTCTCCTGGCCCTTGGGTGCCAGCCCTACCCACAGGAGAGGCTTCT
ACAGCCAGGACCTGCCCCAGGAGCCTCTCAGGGGGACACCGGTGGGGCGCTGTGGCTGGGGGTCTG
CGGCTGCTGCTCTCAAGCTGCTGCTGTTTACCTGCTCCTGACCTGCAGCTGCCTGTGCGACCCCGG
GGCCCGCTGCCTCCCCGCAACCACCACCCGCTGCGAGCCCTCGGCTCCCATCGACTGCACCCGGCC
ACGGAGACTGGGGACGAGAGGCCACCAGCTCACCCAGACCCAGCCTCGGGACCGCCGCTGGGGTGAC
ACCCCTCCGGTTCGGAAGCCCGGAGCCAGTATGGGGGAAGGGTCTTACCTCAGCAGTTACCCACT
TGCCACAGCAGGCTGGTGTCTCAAGATCTGCCCTCAGGGCTCCTCCTCCAGTCTTGGAGATTTTTT
GCAGGTGACCTGCCTCCTCCTGCAGGCTGGAGCTGCC TGA
```

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001243170  
**Insert Size:** 525 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).



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**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\\_001243170.1](#)

**RefSeq Size:** 776 bp

**RefSeq ORF:** 525 bp

**Locus ID:** 171558

**UniProt ID:** [Q6ISU1](#)

**Cytogenetics:** 6p21.1

**Protein Families:** Transmembrane

**Protein Pathways:** Notch signaling pathway

**MW:** 18.2 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 (4) lacks an alternate in-frame exon and uses an alternate in-frame splice junction at the 5' end of an exon compared to variant 1. The resulting isoform (4) lacks two internal segments compared to isoform 1.