

Product datasheet for **RN202270**

Tceal7 (NM_001109401) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tceal7 (NM_001109401) Rat Untagged Clone
Tag: Tag Free
Symbol: Tceal7
Synonyms: Tceal7
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN202270 representing NM_001109401
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCAAAGGTCCTGCAACGAAAAAGAAGGAAGCCCAAGTGCAGTGAGCCAAAGAGGGAGGAGAACATC
CCTATGGAGCCTTTGAAGGTCAGCGACTGGAAGGAATTCAGACAGAGGCTGCTCCAGTCTCTGGAAGA
ATTTAAAGAAGACATAGACTATAGGCATTTTAAAGGTGAAGAAATGACAGGAGAGGAAGAAGAGATGGAA
AGGTGTCTGGAAGAAATAAGAAGTCTGAGAAAAAATTTAGGGCTCTGCATTCTAACCGTACCCACTCTC
GGGACCGTCCCTTTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001109401

Insert Size: 297 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).



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_001109401.1](#), [NP_001102871.1](#)

RefSeq Size: 979 bp

RefSeq ORF: 297 bp

Locus ID: 680319

UniProt ID: [D3ZT37](#)

Cytogenetics: Xq32

Gene Summary: Plays a role in the negative regulation of NF-kappa-B signaling at the basal level by modulating transcriptional activity of NF-kappa-B on its target gene promoters. Associates with cyclin D1 promoter containing Myc E-box sequence and transcriptionally represses cyclin D1 expression. Regulates telomerase reverse transcriptase expression and telomerase activity in both ALT (alternative lengthening of telomeres)and telomerase-positive cell lines (By similarity).[UniProtKB/Swiss-Prot Function]