

Product datasheet for **SC122981**

TOE1 (NM_025077) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TOE1 (NM_025077) Human Untagged Clone
Tag:	Tag Free
Symbol:	TOE1
Synonyms:	hCaf1z; PCH7
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_025077 edited
 GGGAGACGAGCGGTGTCATGGCCGCCGACAGTGACGATGGCGCAGTTTCAGCTCCCCGAC
 CTTCCGACGGTGGTGTGACGAAAAGCACAACATCTGGGGAGGAGCTAGTAGTCCAGGTTCC
 CCGTAGTGGATGTGCAAAGCAACAACCTCAAGGAGATGTGGCCATCCCTCCTGCTAGCCA
 TAAAGACAGCTAATTTCTGGCTGTGGACACGGAGCTGAGTGGGCTTGGGGACAGGAAGA
 GTTTGCTGAACCAAGTGCATTGAGGAACGTTACAAGGCCGTGTGCATGCTGCCAGGACCC
 GTTCTATCCCTTCCCTGGCCCTCGCTGCTTCAAGCGGCAGCCAGACAAGGGTGAACATT
 CCTATCTGGCTCAAGTGTCAATCTCACTCTGCTGTGCATGGAGGAGTATGTCATAGAAC
 CAAAGTCTGTGCAGTTCCTGATACAGCATGGCTTCAACTCAACCAGCAGTATGCCCAAG
 GCATCCCCCTACCATAAGGGCAATGACAAGGGTGTGAGAGCCAGAGCCAGTCAGTACGGA
 CCCTATTCTGGAGCTAATCCGAGCCCGCCGCCCTGGTGTACACAATGGCCTTATAG
 ACTTGGTGTCTGTACAGAACTTCTATGCACACCTCCCTGAGAGTCTGGGAACCTTCA
 CCGCTGACCTGTGTGAGATGTTCCAGCAGGCATTTATGACACCAAAATGCTGCTGAGT
 TTCATGCCGTTTTCTGGCCTCCTACTTAGAATATGCCTTCCGGAATGTGAACGGGAAA
 ATGGGAAGCAGCGGCAGCTGGCAGCCACACCTTACCCTGGAGTCTGCAACTATCCTT
 CCAGCATGAGGGACCATATTGATTACCGCTGCTGCCTGCCCCAGCAACCACCGTCCTC
 ATCCCACAGCATCTGTGACAACCTTCTCGGCTTATGGCTGGTGGCCCTGGGACCACAGT
 GTCCTCAGTCTCACGATATTGACCTTATCATTGACACTGATGAGGCTGCGGCAGAGGACA
 AGCGGCGACGGCAGCAGCTAGGGAAAAACGGAAGAGGGCTTTATTGAACCTACCGGGGA
 CACAGACCTCTGGGAAGCTAAGGATGGTCTCCCAAGAAGCAGGTCTGTGGGGATAGCA
 TCAAGCCTGAAGAAACAGCAGGAGGTGGCTGCCGATGAAACTAGGAACCTGCCTCACT
 CCAAGCAAGGCAACAAAAATGACTTAGAGATGGGGATTAAGGCAGCAAGGCCTGAAATAG
 CTGATAGAGCTACCTCAGAAGTGCCAGGGAGCCAAGCCAGTCTAACCAGTGCCTGGGG
 ATGGATTGCACCGGGCTGGTTTTGATGCCTTTATGACAGGTTATGTGATGGCCTATGTGG
 AAGTGAGCCAGGGACCGCAGCCCTGCAGCTCTGGACCCTGGCTCCCTGAATGCCACAATA
 AGGTATATTTGAGTGGCAAAGCTGTACCCCTCACAGTGGCCAAGAGCCAGTTCTCTCGTT
 CCTCCAAAGCCACAATCAGAAGATGAAGCTCACTTGGGGCAGTGTGATGCAACTTCC
 ACCTTGCTCTCAGGTGGAACAGAGGTATTTGGGTCTCTAGCCTGAAATGTCATCCTC
 AACTGCTACTGAGTTTAGGGGAGGGGAATGTCTTGACAGACATCACTGCATTGCCCTGG
 ACCGCCTCCTTTATCCCAGTGTGAGGTACAAGTAAGAAGGCTGACCAGCACCTGTAAC
 ACTGACTTTATTTTAAAGTCTGAAAATGTCTTGGGAAAGTTTTACAAAAAATAATCAA
 CAGAAGCAAGTTATGAAAATATTAATAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_025077 unedited
 NAATAGCGGTGAGATTTGTATACGACTCATATAGCGGCCCGCGTAATTCGCACGAGGGGG
 AGACGAGCGGTGTCATGGACCGCCGACAGTGACGATGGCGCAGTTTCAGCTCCCCGACGCT
 TCCGACGGTGGTGTGAGCAAAAGCACAACATCTGGGGAGGAGCTAGTAGTCCAGGTTCCC
 GTAGTGGATGTGCAAAGCAACAACCTCAAGGAGATGTGGCCATCCCTCCTGCTAGCCATA
 AAGACAGCTAATTTCTGGCTGTGGACACGGAGCTGAGTGGGCTTGGGGACAGGAAGAGT
 TTGCTGAACCAAGTGCATTGAGGAACGTTACAAGGCCGTGTGCATGCTGCCAGGACCCGT
 TCTATCCTTTCCCTGGCCCTCGCTGCTTCAAGCGGCAGCCAGACAAGGGTGAACATTCC
 TATCTGGCTCAAGTGTCAATCTCACTCTGCTGTGCATGGAGGAGTATGTCATAGAACCA
 AAGTCTGTGCAGTTCCTGATACAGCATGGCTTCAACTTCAACCAGCAGTATGCCCAAGGC
 ATCCCCTACCATAAGGGCAATGACAAGGGTGTGAGAGCCAGAGCCAGTCAGTACGGACC
 CTATTCCTGGAGTAATCCGAGCCCGCCGCCCTGGTGTACACAATGGCCTTATAGAC
 TTGGTGTTCCTGTACCAGAACTTCTATGCACACCTCCCTGAGAGTCTGGGAACCTTACC
 GCTGACCTGTGTGAGATGTTCCAGCAGGCATTTATGACACCAAAATATGCTGCTGAGTTT
 CATGCCGTTTTCTGGCCTCCTACTTAGAATATGCCTTCCGNAATGTGAACGGGAAAAAT
 GGGAAAGCAGCGGGCAGCTGGCAGCCACACCTTACCCTGNAGTTCTGCAACTATCCCTCC
 AGCATA

Restriction Sites: Please inquire

ACCN:	NM_025077
Insert Size:	1850 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:	<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_025077.2 , NP_079353.2
RefSeq Size:	2113 bp
RefSeq ORF:	1533 bp
Locus ID:	114034
UniProt ID:	Q96GM8
Cytogenetics:	1p34.1
Protein Families:	Stem cell - Pluripotency, Transcription Factors
Gene Summary:	Inhibits cell growth rate and cell cycle. Induces CDKN1A expression as well as TGF-beta expression. Mediates the inhibitory growth effect of EGR1. Involved in the maturation of snRNAs and snRNA 3'-tail processing (PubMed:28092684).[UniProtKB/Swiss-Prot Function]