

Product datasheet for **SC317972**

TAPT1 (NM_153365) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TAPT1 (NM_153365) Human Untagged Clone
Tag:	Tag Free
Symbol:	TAPT1
Synonyms:	CMVFR; OCLSBG
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_153365 edited
 ATGGCGGGCGTCGGCGACGCGGCCCTCCGGGAGAAGGCGGCGGTGGCGGCTGGACGGC
 CCGCAGCGGGACGGCCGCGGCGAGGCGGAGCAGCCGGGCGGACAGCGGGGCC
 CCGCCGGCGCCTCAGCTCACAGAGACGCTGGGCTTCTACGAGAGCGACCGGCGCGGGAG
 AGGCGCCGGGGCCGCACAGAGCTTTCATTGTTGAGGTTCTCAGTGCTGAACTACAAGA
 GGGTACTTCCTTGAACATAATGAGGCCAAGTATACAGAAAAGAAGAAAAGATATACAT
 TGTTTGCGAATACCAAGAGAATTGGAAAAGCTGATGGTTTTTGGAACTTTCTGTGCCTG
 GATGCGTTTTTGTATGTGTTACCCTGCTTCTTTAAGAGTTTTCTGGCACTATTCAGG
 CTCCTCACTTTGCCTTGCTATGGCTTAAGGGACAGACGTTTTGCTTCAGCCTGCCAGGTG
 TGTGACATTTTGAAGGTGTCATTTTGGTAATCTGCTATTTTATGATGCACTATGTTGAC
 TACTCCATGATGTACCACCTGATAAGGGGGCAGTCCGTCATCAAGCTCTACATCATCTAC
 AACATGCTGGAGGTAGCTGATCGTCTGTTTTCATCTTTTGGACAAGACATATTAGATGCT
 CTCTATTGGACAGCAACAGAGCCTAAAGAAAAGAAAAGAGCCACATTGGGGTGATTCTCT
 CACTTTTTCATGGCTGTTCTCTATGTCTTTTTGCATGCAATTCTTATAATGGTTCAAGCA
 ACAACTCTCAATGTAGCTTTTAACTCACACAACAAGCTTTTGCTTACTATCATGATGCT
 AATAATTTTGTGAAATTAAGGAAGTGTTTTCAAGAAGTTTGAAGAAACAATCTCTTT
 CAAATGTCAAATAGCGATATTAAGGAACGATTCACAAATTATGTGCTTTTACTGATAGTG
 TGTCTAAGAAACATGGAACAGTTTTCTTGGAAATCCAGATCATCTCTGGGTGTTGTTTCCA
 GATGTCTGTATGGTAATTGCATCAGAAATTGCCGTGGATATTGTAAAACATGCCTTTATT
 ACTAAATCAATGACATTACTGCAGATGTCTACAGTGAATATAGAGCCAGTCTTGCTTTT
 GACCTTGTAGCAGCCGACAGAAAAATGCATACACTGATTACAGTGACTCTGTAGCACGG
 AGGATGGGCTTTATTCCTCTCCCACTAGCTGTTTTACTCATCAGAGTTGTAACAAGCTCA
 ATTAAGTGCAAGGAATCCTGTCTTATGCCTGTGTCATACTCTTCTATTTTGGGTTGATA
 TCCTGAAAGTACTTAATAGCATCGTGCTGTTGGGGAAATCGTGCCAGTATGTGAAGGAA
 GCCAAAATGGAAGAGAAGCTGTGCAATCCTCCCGCAACCTGCACTCCAGGCAAGCCGTCC
 AGTAAATCACAGAACAAATGTAAACCTCTCAAGGCCTTTCCACAGAAGAAAACCTGTCT
 GCCTCCATCACCAAAACACCTATTCATCAAAGGAAAATATCATACCATTACTTGTGACA
 AGCAATTCTGATCAGTTTTTGCACACTCCAGATGGTGACGAGAAGGACATAACGCAGGAC
 AATTCTGAATTAACACAGATCCTCAAAGAAAGATTTGTAGAGATAGACAGGTTTCA
 ATTTGTGGAACCGAATTGACTGA

Restriction Sites: Please inquire

ACCN: NM_153365

Insert Size: 1700 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_153365.2 , NP_699196.2
RefSeq Size:	4610 bp
RefSeq ORF:	1704 bp
Locus ID:	202018
UniProt ID:	Q6NXT6
Cytogenetics:	4p15.32
Domains:	DUF747
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	This gene encodes a highly conserved protein that localizes to the centrosome and/or ciliary basal body. Mutations in this gene disrupt Golgi morphology and trafficking and normal primary cilium formation and these mutations are congenitally manifested by severe undermineralization of the intra-uterine skeleton. A mutation in the mouse ortholog of this gene results in homeotic, posterior-to-anterior transformations of the axial skeleton which are similar to the phenotype of mouse homeobox C8 gene mutants. In mouse, this gene is thought to function downstream of homeobox C8 to transduce extracellular patterning information during axial skeleton development. [provided by RefSeq, Jan 2017]