

Product datasheet for **SC122653**

TULP1 (NM_003322) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TULP1 (NM_003322) Human Untagged Clone
Tag:	Tag Free
Symbol:	TULP1
Synonyms:	LCA15; RP14; TUBL1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for NM_003322 edited
 CCACGCGTCCGGCGATAGGCAAAGGCACCATGCCTCTGCGGGATGAAACCCTCCGAGAGG
 TGTGGGCTCTGACAGTGGGCATGAAGAAGAAAGCCTGAGCCCGGAGGCCCGCGGCGCC
 CCAAACAGCGACCCGCCCGGCACAGAGGCTAAGGAAGAAGAGGACGGAGGCCCCCGAAT
 CCCCTGCCACGGGATCCAAGCCCGGAAGCCCGGAGAGGAGGAGGAGGAAGAGGAGG
 ACGAGGAGGACGAGGAAGAGGAGGCAGAGGAAAAGAAAGAAAAATCCTTCTGCCTCCCA
 AGAAGCCCTGAGAGAGAAGAGCTCCGCAGACCTGAAGGAGAGGAGGGCCAAGGCCCAGG
 GCCAAGGGGAGACCTGGGAAGCCCTGACCCCCACCGAAACCTCTGCGTGTAGGAATA
 AGGAAGCTCCAGCAGGGGAGGGACCAAGATGAGAAAAGACCAAGAAGAAAGGGTCTGGGG
 AGGCCGACAAGGACCCCTCAGGGAGCCAGCCAGTGCAGGAAGAGCCAGCAGCCATGT
 TTCTGGTTGGGAAGGCAGTCTGACAAGAAAGCCCTGAAGAAGAAAGGCACTCCCAAAG
 GCGCGAGGAAGGAGAAGAGGAGGAGGAGGCAGCTACGGTGATAAAGAACAGCAATC
 AAAAGGGCAAAGCAAAGGAAAAGGCAAAAAGAAAGCGAAGGAGGAGGGCCCCGTCTC
 CCCCCGTGGAGGTGGACGAACCCCGGGAGTTTGTGCTCCGGCCTGCCCCAGGGCCGCA
 CGGTGCGCTGCCGCTGACCCGGGACAAAAGGGCATGGATCGAGGCATGTATCCCTCCT
 ACTTCTGCACCTGGACACGGAGAAGAAGTGTCTCTTGGCTGGCAGGAAACGAAAAC
 GGAGCAAGACAGCCAATTACCTCATCTCCATCGACCCTACCAATCTGTCCCGAGGAGGG
 AGAATTTTCATCGGAAGCTGAGGTCCAACCTCCTGGGAACCGCTTACCGGTCTTTGACA
 ACGGGCAGAACCCACAGCGTGGGTACAGCACTAATGTGGCAAGCCTTCGGCAGGAGCTGG
 CAGCTGTGATCTATGAAACCAACGTGCTGGGCTTCCGTGGCCCCCGGGCATGACCGTCA
 TCATTCCTGGCATGAGTCCGGAACGAGAGGGTCCCCATCCGGCCCCGAAATGCTAGTG
 ACGGCCTGCTGGTGGCTGGCAGAACAAGACGCTGGAGAGCCTCATAGAAGTGCACAACA
 AGCCACCTGTCTGGAACGATGACAGTGGCTCCTACACCTCAACTTCCAAGGCCGGTCA
 CCCAGGCCTCAGTCAAGAAGTCCAGATTGTCCACGCTGATGACCCCGACTATATCGTGC
 TGCAAGTTCGGCCCGTGGCGGAGGACGCCTTACCCTAGACTACCGGTACCCGCTGTGCG
 CCCTGCAGGCCTTCGCCATCGCCCTCTCCAGTTTCGACGGGAAGCTGGCCTGCGAGTGAC
 CCCAGCAGCCCTCAGCGCCCCAGAGCCCGTACGCGTGGGGAAAGGATTAGTGGAGG
 CTGGCAGGGTCCCTCCAGCAAAGCTCCCGCGAAAAGTCTCTGTGCGGGGCTGACCT
 CTCCTGCTCTCGGTGACCTCCGTCTCTCCCCAGCCTGGCACAGGCCGAGGCAGGAGG
 AGCCCGGACGGCGGTAGGACGGAGATGAAGAATCTGGAGTTGGAGCCGCACATCTGG
 TCTCGGAGCTCGCTGCGCGCTGTGCCCCCTCTCCCCGCGCCCACTTCTCTGT
 CCGGGAGCAGTAGTCATTGTTGTTTAACTCCCTCTCCCCGGGACCGGCTAGGGCTC
 CGAGGAGCTGGGGCGGGCTAGGAGGAGGGGTAGGTGATGGGGGACGAGGGCCAGGCACC
 CACATCCCAATAAAGCCGCGTCTTGGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003322 unedited
 CGTCAGGATTTGTAATACGACTTACTATAGGGCGCGCGCATTCCCGGNTATCGTCGA
 CCCACGCGTCCGGCGATAGGCAAAGGCACCATGCCTCTGCGGGATGAAACCCTCCGAGAG
 GTGTGGGCTCTGACAGTGGGCATGAAGAAGAAAGCCTGAGCCCGGAGGCCCGCGGCGC
 CCAAACAGCGACCCGCCCGGCACAGAGGCTAAGGAAGAAGAGGACGGAGGCCCCCGAA
 TCCCCCTGCCACGGGATCCAAGCCCGGAAGCCCGGAGAGGAGGAGGAGGAAGAGGAG
 GACGAGGAGGACGAGGAAGAGGAGGCAGAGGAAAAGAAAGAAAAATCCTTCTGCCTCCC
 AAGAAGCCCTGAGAGAGAAGAGCTCCGCAGACCTGAAGGAGAGGAGGGCCAAGGCCAG
 GGCCAAAGNGAGACCTGGGAAGCCCTGACCCCCACCGAAACCTCTGCGTGTAGGAAT
 AAGGAAGCTCCAGAGGGGAGGGGACCAAGATGAGAAAAGACCAAGAAGATAGGGTCTGNN
 GAGGCCGACATGGACCCCTCATGGAGCCAGCCAGTGCAGGAAGAGCCAGCAGCCATG
 TTTCTGGTTGNGAATGCAGTCTGACAAGAAAGCCCTGAGAAGAAAGGCACTCCCAAA
 GGCGCAGGGAATGAGAAGAAGAGGAGGATGAGGCAGTACGGTGATAAAGAATCAGCAT
 CATAAGGCAAAGCCNAAGAAAAAGCAAAAAGAAAGCAAGGAGGAGGGCCCGTCTCCCC
 CGTGGAGGTGACGAACCCCGGAGTTTGTGCTCGGCTGCCCCAGGCCCGACGGGCGCTGC
 CGCTGACCCGGGCAAAAGGCATGGTCGAGCATGTATCCCTCTACTTCTGCACTGACACGA
 AAAAAGGGTCTTCTG

Restriction Sites:	Please inquire
ACCN:	NM_003322
Insert Size:	1976 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_003322.2 , NP_003313.2
RefSeq Size:	2090 bp
RefSeq ORF:	1629 bp
Locus ID:	7287
UniProt ID:	O00294
Cytogenetics:	6p21.31
Protein Families:	Druggable Genome
Gene Summary:	<p>This gene encodes a member of the tubby-like gene family (TULPs). Members of this family have been identified in plants, vertebrates, and invertebrates. TULP proteins share a conserved C-terminal region of approximately 200 amino acid residues. The protein encoded by this gene is thought to play a role in the physiology of photoreceptors. Mutations in this gene are associated with recessive juvenile retinitis pigmentosa and Leber congenital amaurosis-15. [provided by RefSeq, Nov 2016]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>