

## Product datasheet for **RC238524**

### **TULP1 (NM\_001289395) Human Tagged ORF Clone**

#### **Product data:**

|                           |                                             |
|---------------------------|---------------------------------------------|
| Product Type:             | Expression Plasmids                         |
| Product Name:             | TULP1 (NM_001289395) Human Tagged ORF Clone |
| Tag:                      | Myc-DDK                                     |
| Symbol:                   | TULP1                                       |
| Synonyms:                 | LCA15; RP14; TUBL1                          |
| Mammalian Cell Selection: | Neomycin                                    |
| Vector:                   | pCMV6-Entry (PS100001)                      |
| E. coli Selection:        | Kanamycin (25 ug/mL)                        |



[View online »](#)

ORF Nucleotide  
Sequence:

>RC238524 representing NM\_001289395  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGCTCTCGGGATGAACACCTCCGAGAGGTGTGGCCTCTGACAGTGGGCATGAAGAAGAAAGCTGA  
GCCCCGAGGCCCCCGCGCGCCCCAACAGCGACCCGCCCCGGCACAGAGGCTAAGGAAGAAGAGGACGGA  
GGCCCCGAATCCCCCTGCCCCACGGATCCAAGCCCCGGAAGCCCGAGAGGAGGAGGAGGAAGAGGAG  
GACGAGGAGGACGAGGAAGAGGAGGCAGAGGAAAAGAAAGAGAAAAATCTTCTGCCTCCCAAGAAGCCCC  
TGAGAGAGAAGAGCTCCGCAGACCTGAAGGAGAGGAGGGCCAAGGCCCAGGGCCCAAGGGGAGACCTGGG  
AAGCCCTGACCCCCACCGAAACCTCTGCGTGTTAGGAATAAGGAAGCTCCAGCAGGGGAGGGGACCAAG  
ATGAGAAAGACCAAGAAGAAAGGGTCTGGGGAGGCCGACAAGGACCCCTCAGGGAGCCACGCCAGTGCGA  
GGAAGAGCCCAGCAGCCTATGTTTCTGTTGGGGAAGGCAGTCTTGACAAGAAAGCCCTGAGAAGAAAAAG  
CACTCCCAAGGCGCGAGGAAGGAGGAAGAAGAGGAGGAGGAGGACGTACGGTGATAAAGAAGAGCAAT  
CAAAAGGGCAAGGCCAAAGGAAAAAGGCAAAAAGAACGCAAGGAGGAGAGGGGCCGTCTCCCCCGTGG  
AGGTGGACGAACCCCGGAGTTTGTGCTCCGGCTGCCCCCCAGGGCCGCACGGTGCGCTGCCGGCTGAC  
CCGGGACAAAAAGGCATGGATCGAGGCATGTATCCCTCCTACTTCTGCACCTGGACACGGAGAAGAAG  
GTGTTCTCTTGGCTGGCAGGAAACGAAAACGGAGCAAGACAGCCAATTACCTCATCTCCATCGACCTTA  
CCAATCTGTCCCGAGGAGGGGAGAATTTTCATCGGAAGCTGAGGTCCAACCTCCTGGGAACCGCTTCAC  
GGTCTTTGACAACGGGCAGAACCCACAGCGTGGGTACAGCAATAATGTGGCAAGCCTTCGGCAGGAGCTG  
GCAGCTGTGATCTATGAAAACCAACGTGCTGGGCTTCCGTGGCCCCCGGCGCATGACCGTCATCATTCTG  
GCATGAGTGCGGAGAACGAGAGGGTCCCCATCCGGCCCCGAAATGCTAGTGACGGCCTGCTGGTGCGCTG  
GCAGAACAAAGACGCTGGAGAGCCTCATAGAACTGCACAACAAGCCACCTGTCTGGAACGATGACAGTGGC  
TGCTACACCCCTCAACTCCAAGGCCGGGTACCCAGGCCTCAGTCAAGAATTCCAGATTGCCACCTG  
ATGACCCCGACTATATGCTGCTCAGTTGCGCCGCTGGCGGAGGACGCCTTACCCTAGACTACCGGTA  
CCCGCTGTGCGCCCTGCAGGCCTTCGCCATCGCCCTCTCCAGTTTCGACGGGAAGCTGGCCTGCGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC238524 representing NM\_001289395  
Red=Cloning site Green=Tags(s)

MPLRDETLREVWASDSGHEEESLSPEAPRRPKQRPAPAQLRKKRTEAPESPCPTGSKPRKPGEEEEEE  
DEEEEEEEAEKKKEKILLPPKKPLREKSSADLKERRAKAQGPRGDLGSPDPPPKPLRVNRKEAPAGEGTR  
MRKTKKKKSGEADKDPSSGPASARKSPAAMFLVGEPSDPKALKKKGTPKGARKEEEEEEEAATVIKSN  
QKGKAKGKGGKKAKEERAPSPPEVDEPREFVLRLPAPQGRTVRCRLTRDKKGMDRGMYPSYFLHLDTEKK  
VFLLAGRKKRKSRTANYLISDITPI SRRGENF IGKLRSNLLGNRFVFDNGNQNPQRGYSTNVASLRQEL  
AAVITYENTVLGFRGPRRMTSIIIPGMSAENERVPIRPNASDGLVRWNKLTLESIELHNKPNVWNDSG  
SYTLNFOGRVTOASVKNFQIVHADDPDYVLVGRVAEADFTLDYRPLCALOAFATIALSFDGKLACE

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001289395

**ORF Size:** 1467 bp

**OTI Disclaimer:** 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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_001289395.2](#)

**RefSeq Size:** 1980 bp

**RefSeq ORF:** 1470 bp

**Locus ID:** 7287

UniProt ID: O00294

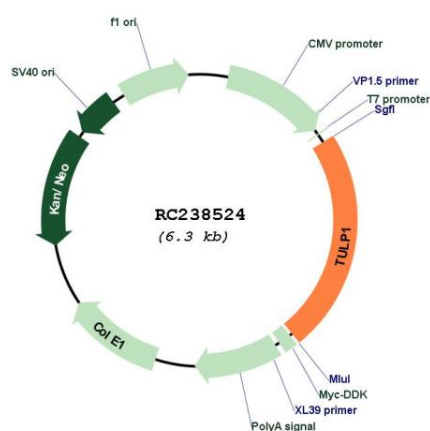
Cytogenetics: 6p21.31

Protein Families: Druggable Genome

MW: 55.1 kDa

**Gene Summary:** 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]

## Product images:



Circular map for RC238524