

## Product datasheet for **MC218260**

### Tulp1 (BC029222) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tulp1 (BC029222) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tulp1
Synonyms:	Tulp1l
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >BC029222  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCACTGCAGGAGGAGACCCTTCGGGAAGTGTGGCCCTCAGACAGCGCCATGAAGAGGACTGCTTGA  
 GCCCGAGCCCCGCTGCGCCCCAACAGCGACCCGCCAGGGACAGAAGTTGAGGAAAAAGAAACCCGA  
 GACCCCGACTCCCTGGAATCCAACCCCGTAAAGCTGGGGCTGGGCGCAGGAAGCACGAGGAGCCGCC  
 GCAGACTCGGCAGAGCCGCGCTGCGCAGACAGTCTACGCCAAGTTCCTGAGGGACCCGAGGCCAAGA  
 AGCGGGACCCCGGAAAACTTCTAGTTGCCCGCCCCAGACCTGGGAGGCGAGGAGAATTGGAAGA  
 GGATTCGGATGATGACAATGATGATGATGAGGAGGAGGAGAAGAAAGAGGGAAAAAGAGAAA  
 AGCTCTGCCCCCAAGAAAGCACCAAGGAGAGAGAGAAGAAAGCCAAGGCTCTGGGCCAACGGGGG  
 ATGTAGGAAGCCCGGATGCCCTCGAAACCGCTCCGAACCAAGAAGAAGGAGGTAGGGGAGGGAACCA  
 ACTGAGAAAGGCAAGAAAAAGGGCCTGGGAGACTGACAAGGACCCCGGGGAGCCAGCAGCCTTG  
 AGGAAGGAGTTCCAGCAGCCATGTTCTGGTTGGGAAGGTGGCAGGCTGAGAAGGTTGAAGAAGA  
 AAGGACCTCTAAAGTTTCAGAGGAAGAGAAGAAGGAGGAGGAGGAAGAAGTGAAGAGGAGTTGCATC  
 CGCAGTGATGAAGAACAGCAACCAGAAGGGCAGAGCTAAAGGAAAGGCAAAAAGAAAGTGAAGGAGGAG  
 AGAGCCTCTCGCCCCGTGGAAGTGGGTGAACCCCGGAGTTGTGCTGCAGCCAGCACCCAGGGCC  
 GGCAGTCCGCTGCCGGCTGACACGGGACAAGAAGGGCATGGATCGCGGCATGTACCCGTCTACTTCT  
 GCACCTGGACTGAGAAGAAGTGTCTCTGGCCGGCAGGAAACGCAAGCGGAGTAAAGCAGCAAC  
 TATCTCATCTCCAGTGACCCACCAACCTGTCCCGGGAGGCGAGAATTCATCGGAAGCTGAGGTCTA  
 ATCTCTTGGGAACCGCTCACGGTCTTTGACAACGGGACAGCAACAGCGAGGGGAGGTGGTGACGT  
 GGAAGCCTGCGCCAGGAGCTGGCCGTGTGGTCTATGAAACCAATGTTTTAGGCTCCGAGGACCCGC  
 CGTATGACTGTCATTCCTGGAATGAACTCGGACAACGAGAGGTCCTATCCGGCCCCGAAACGTGA  
 GCTTCTACCATCTACACCCTATCCCTCAGAGCCTTGCTTCTGTTCAACCACTCAACAGGGCCAGGGAT  
 CCAGCTTGGCCAAGTGACTCTTGAGTCTGCACGTGCCTCAGATTCCTCCGGCCACTCATAG

**ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCTGGATT**  
**ACAAGGATGACGACGATAAGGTTTAA**

**Restriction Sites:** SgfI-MluI

**ACCN:** BC029222

**Insert Size:** 1461 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: [BC029222](#), [AAH29222](#)

RefSeq Size: 1794 bp

RefSeq ORF: 1460 bp

Locus ID: 22157

Cytogenetics: 17 A3.3

**Gene Summary:** Required for normal development of photoreceptor synapses. Required for normal photoreceptor function and for long-term survival of photoreceptor cells. Interacts with cytoskeleton proteins and may play a role in protein transport in photoreceptor cells. Binds lipids, especially phosphatidylinositol 3-phosphate, phosphatidylinositol 4-phosphate, phosphatidylinositol 5-phosphate, phosphatidylinositol 3,4-bisphosphate, phosphatidylinositol 4,5-bisphosphate, phosphatidylinositol 3,4,5-bisphosphate, phosphatidylserine and phosphatidic acid (in vitro) (By similarity). Contribute to stimulation of phagocytosis of apoptotic retinal pigment epithelium (RPE) cells and macrophages. [UniProtKB/Swiss-Prot Function]