

## Product datasheet for **MR218250**

### Tulp2 (NM\_001045555) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tulp2 (NM_001045555) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tulp2
Synonyms:	Pdet
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR218250 representing NM\_001045555  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGACCGTGAGGGGCCAAGAGGGCCAAGAAGTGGAGCGTCTCAGGAGAATGAACAGTGAAGAAGAAGAGA  
 CCCTGGAGGATGAATTCTCTGGCGTGAGGCTGCAGAAGCTAGAACAACAGCGACAGCTATTTGAGAAGAA  
 GCAGCGCAGGAAACGCCAGGAGCCCTCATGGTTCAGGCCAATCCTGATGCTACCCTGAGGCACCGGCGA  
 CCAAGGCGCGGGGAGGAGCGCTTCCAGAGTGACAGCAGCTGGGGCCTTGGTGTGGGAGCCCTTCTCC  
 AGGAGAACGTTCCGACGGCACATCTGCCCTCAGGGGCGCACAGTGCCCTTGTACCATGAGCTATGTCGC  
 AGATGGGAGTGGTGAGCGGGCCCCCTACTGTACCCCGAGGAGCAGTATACACTCGGGGCAACGGCCCT  
 GCGGTCCGTCATCATCTTTGCTGGCTTCCAGACAGCTCCGATTCAGAGCTGGAGGAAGTGACCATGGAAG  
 ACATCCCCGTATCTCCGACCTCCCAGACGAATCTGGCAAACCTACGCAGGGGCTGGTAGCCTCCCC  
 AGGACCCGGGATCAGTCAAGAAGAAAAAGAAGAAGAGGTTGGATCCACGGATGCCAGAGTTGAAGACAAG  
 ACACCCAGCCAGACCCAGACCCAGACCCCTACCGTGAACCTCTGACGGAGATCATGGAGACCTGGCACCCCT  
 GCAAGGTGAAGAAGAAACACAGCCAGAAGAATACAGAAACAGCCTCTGGCATCGGGGATGAAGACCGGGA  
 GAAGGGAGAGGTCACAGAGTCTACAGAGACAACTATGCCCCAGTGGCATCCAAGTTTTGCAAGGGCAG  
 GATGGTGACGCCAGCAACCACAATGCCTGGAACATGACCTGCCCCAGCCTCGCATTCCCGGCCCTCGGC  
 TCGGGGAGGACATGGAAGCATACGTGTTGCTCCCTGCACCCCGAGACCACATGGTGCAGTGCCGCATCGT  
 CCGAAACAAGCACGGCATGGACAAGGGGATGTTCCCTTCTACTACCTCTACCTGGAGGCCGAGGATGGT  
 GTAGCACATTTCTTCTGGCTGGGCGGAAAAGAAAAGAAGCAAACCTTCAAATATCTCATCTCCCTGG  
 ACCCAAGACATGTCTCGCAATGGGAGCAACTTTGTAGGCAAAGTTAGATCCAATGTCTTGGGCACGAA  
 ATTCACCATCTTCGATAATGGGGTGAACCTGAGCGGAGTTACTGGGTTCCAGACAGTGCCCGGATCAGA  
 GAGGAGCTGGGAGTCGTCTGTTATGAGACCAATGTCTTGGGATTACGGGGCCTCGGAAAATGACTGTGA  
 TCCTTCCAGGAATGGACAGCCGGAAGCAGAGGATGAAAGTCCAGCCACAAAATGATCAGGATTCATATT  
 GAGTCGCGTACAGAAGGGCGCTGGACACGGGCTGCTTCTACTGCAGAACAAGGCCCATCGTGGAGCGAC  
 GAAAGCGGCGCATACGTACTCAATTTTACGGTCGCGTCACGCGGGCTTTCAGTCAAGAACTCCAGATAG  
 TGCACCCGGATGAACCCGACCACCTGGTCTCCAGTTTGGCCGTGTGGCCCCAACATATTCACGATGGA  
 TTTCCGATATCTTTGCCGCTCCAAGCCTTCGCCATCTGCTATCCAGTTTCGATGGGAAACTGGCG  
 TTTTTT

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR218250 representing NM\_001045555  
 Red=Cloning site Green=Tags(s)

MDREGPRGPRSGASQENEQWKETLEDEFSGVRLQKLEQQRQLFEKKQRRKRQEPLMVQANPDATLRHRR  
 PRRGEERFQSDSSWGLGVGSPFLQENVPQAHLPSGAHSALVTMSYVADGSGERAPLLSPRGAVYTRGNP  
 AVRHHLCWLPDSSDSDVEEVTMEDIPVISRPPQTNLANLRGWLASPGPGISQEEKEEEVSTDARVEDK  
 TPSPDPDPPTVNSDGDHGLAPCKVEENTAQKNTETASGIGDEDREKGEVTESTETNYAPVASKVLQGD  
 DGDASNHNAWNMTCPQPRIPGPRLGEDMEAYVLLPAPRDHMQCRIVRNKHGMDKGMFPSYYLYLEAEDG  
 VAHFLLAGRKRKRKTSNYLISLDPKMSRNGSNFVGKVRSNVLGTFKFTIFDNGVNPERSYVWPDSARIR  
 EELGVVCYETNVLGFRGPRKMTVILPGMDSRKQRMKVQPQNDQDSILSRVQKAGHGLLLLQNKAPSWSD  
 ESGAYVLFHGRVTRASVKNFQIVHPDEPDHLVLQFGRVAPNIFTMDFRYPLCPLQAFIICLSSFQGLKLA  
 FF

**TRTRPLEQKLISEEDLAANDILDYKDDDDK**V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001045555

**ORF Size:** 1686 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.

**RefSeq:** [NM\\_001045555.2](#), [NP\\_001039020.1](#)

**RefSeq Size:** 1901 bp

**RefSeq ORF:** 1689 bp

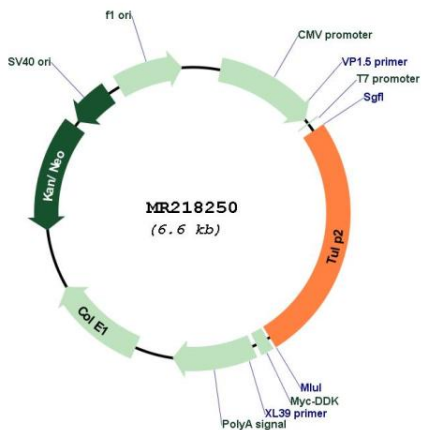
**Locus ID:** 56734

**UniProt ID:** [P46686](#)

**Cytogenetics:** 7 B3

MW: 63.2 kDa

Product images:



Circular map for MR218250