

Product datasheet for **MG218250**

Tulp2 (NM_001045555) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tulp2 (NM_001045555) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tulp2
Synonyms:	Pdet
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG218250 representing NM_001045555
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGACCGTGAGGGGCCAAGAGGGCCAAGAAGTGGAGCGTCTCAGGAGAATGAACAGTGAAGAAGAAGAGA
 CCCTGGAGGATGAATTCTCTGGCGTGAGGCTGCAGAAGCTAGAACAACAGCGACAGCTATTTGAGAAGAA
 GCAGCGCAGGAAACGCCAGGAGCCCTCATGGTTCAGGCCAATCCTGATGCTACCCTGAGGCACCGGCGA
 CCAAGGCGCGGGGAGGAGCGCTTCCAGAGTGACAGCAGCTGGGGCCTTGGTGTGGGAGCCCTTCTCC
 AGGAGAACGTTCCGACGGCACATCTGCCCTCAGGGGCGCACAGTGCCCTTGTACCATGAGCTATGTCG
 AGATGGGAGTGGTGAAGCGGGCCCTACTGTACCCCGAGGAGCAGTATACACTCGGGCAACGGCCCT
 GCGGTCCGTCATCATCTTTGCTGGCTTCCAGACAGCTCCGATTCAGACGTGGAGGAAGTGACCATGGAAG
 ACATCCCGTCATCTCCGACCTCCCAGACGAATCTGGCAAACCTACGCAGGGGCTGGTAGCCTCCCC
 AGGACCCGGGATCAGTCAAGAAGAAAAAGAAGAAGAGGTTGGATCCACGGATGCCAGAGTTGAAGACAAG
 ACACCCAGCCAGACCCAGACCCAGACCCCTACCGTGAACCTCTGACGGAGATCATGGAGACCTGGCACCC
 GCAAGGTGAAGAAGAAACACAGCCAGAAGAATACAGAAACAGCCTCTGGCATCGGGGATGAAGACCGGGA
 GAAGGGAGAGGTACAGAGTCTACAGAGACAACTATGCCCCAGTGGCATCCAAGTTTTGCAAGGCGAC
 GATGGTGACGCCAGCAACCACAATGCCTGGAACATGACCTGCCCCAGCCTCGCATTCCCGGCCCTCGGC
 TCGGGGAGGACATGGAAGCATACGTGTTGCTCCCTGCACCCCGAGACCACATGGTGCAGTGCCGCATCGT
 CCGAAACAAGCACGGCATGGACAAGGGGATGTTCCCTTCTACTACCTCTACCTGGAGGCCGAGGATGGT
 GTAGCACATTTCTTCTGGCTGGGCGGAAAAGGAAAAGAAGCAAACCTTCAAATTATCTCATCTCCCTGG
 ACCCCAAGACATGTCTCGCAATGGGAGCAACTTTGTAGGCAAAGTTAGATCCAATGTCTTGGGCACGAA
 ATTCACCATCTTCGATAATGGGGTGAACCTGAGCGGAGTTACTGGGTTCCAGACAGTGCCCGGATCAGA
 GAGGAGCTGGGAGTCGTCTGTTATGAGACCAATGTCTTGGGATTACGGGGCCTCGGAAAATGACTGTGA
 TCCTTCCAGGAATGGACAGCCGGAAGCAGAGGATGAAAGTCCAGCCACAAAATGATCAGGATTCATATT
 GAGTCGCGTACAGAAGGGCGCTGGACACGGGCTGCTTCTACTGCAGAACAAGGCCCATCGTGGAGCGAC
 GAAAGCGGCGCATACGTACTCAATTTTACGGTCCGCTCACGCGGGCTTCAAGTCAAGAACTTCCAGATAG
 TGCACCCGGATGAACCCGACCACCTGGTCTCCAGTTTGGCCGTGTGGCCCAACATATTCACGATGGA
 TTTCCGATATCTTTGCCGCTCCAAGCCTTCGCCATCTGCTATCCAGTTTCGATGGGAAACTGGCC
 TTTTTT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG218250 representing NM_001045555
 Red=Cloning site Green=Tags(s)

MDREGPRGPRSGASQENEQWKKETLEDEFSGVRLQKLEQQRQLFEKKQRRKRQEPLMVQANPDATLRHRR
 PRRGEERFQSDSSWGLGVGSPFLQENVPQAHLPSTGAHSALVTMSYVADGSGERAPLLSPRGAVYTRNGP
 AVRHHLCWLPDSSSDVVEVTMEDIPVISRPPQTNLANLRRGWLASPGGISQEEKEEEVSTARDVEDK
 TPSPDPDPDPTVNSDGDHGLAPCKVEENTAQKNTETASGIGDEDREKGEVTESTETNYAPVASKVLQGD
 DGDAASNHNAMTQPQPRIPGRLGEDMEAYVLLPAPRDHMQCRIVRNKHGMDKGMFPSYYLYLEAEDG
 VAHFLLAGRKRKRSKTSNYLISLDPKMSRNGSNFVGKVRNVLGTKFTIFDNGVNPERSYVWPDSARIR
 EELGVVCEYETNVLGFRGPRKMTVILPGMDSRKQRMKVQPQNDQDSILSRVQKGAGHGLLLLQNKAPSWSD
 ESGAYVLNFHGRVTRASVKNFQIVHPDEPDHLVLQFGRVAPNIFTMDFRYPLCPLQAFIICLSSFQDGLA
 FF

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

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:	<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_001045555.2 , NP_001039020.1
RefSeq Size:	1901 bp
RefSeq ORF:	1689 bp
Locus ID:	56734
UniProt ID:	P46686
Cytogenetics:	7 B3