

Product datasheet for **MG216785**

Tulp2 (NM_008807) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tulp2 (NM_008807) 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:

>MG216785 representing NM_008807
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGACCGTGAGGGCCAAGAGGGCCAAGAAGTGGAGCGTCTCAGGAGAATGAACAGTGAAGAAGAGA
 CCCTGGAGGATGAATTCTCTGGCGTGAGGCTGCAGAAGCTAGAACAACAGCGACAGCTATTTGAGAAGAA
 GCAGCGCAGAAAACGCCAGGAGCCCTCATGGTTCAGGCCAATCCTGATGCTACCCTGAGGCACCGGCGA
 CCAAGGCGCGGGGAGGAGCGCTTCCAGAGTGACAGCAGCTGGGGCCTTGGTGTGGGAGCCCTTCTCC
 AGGAGAACGTTCCGACGGCACATCTGCCCTCAGGGGCGCACAGTGCCTTGTACCATGAGCTATGTCG
 AGATGGGAGTGGTGGCGGGCCCCCTACTGTACCCCGAGGAGCAGTATACACTCGGGCAACGGCCCT
 GCGGTCCGTCATCATCTTTGCTGGCTTCCAGACAGCTCCGATTCAGACGTGGAGGAAGTGACCATGGAAG
 ACATCCCGTCATCTCCGACCTCCCAGACGAATCTGGCAAACCTACGCAGGGGCTGGTAGCCTCCCC
 AGGACCCGGGATCAGTCAAGAAGAAAAAGAAGAAGAGGTTGGATCCACGGATGCCAGAGTTGAAGACAAG
 ACACCCAGCCAGACCCAGACCCAGACCCCTACCGTGAACCTCTGACGGAGATCATGGAGACCTGGCACCC
 GCAAGGTGAAGAAGAAACACAGCCAGAAGAATACAGAAACAGCCTCTGGCATCGGGGATGAAGACGGGA
 GAAGGGAGAGGTCACAGAGTCTACAGAGACAACTATGCCCCAGTGGCATCCAAGTTTTGCAAGGCGAC
 GATGGTGACGCCAGCAACCACAATGCCTGGAACATGACCTGCCCCAGCCTCGCATTCCCGGCCCTCGGC
 TCGGGGAGGACATGGAAGCATACGTGTTGCTCCCTGCACCCCGAGACCACATGGTGCAGTGCCGCATCGT
 CCGAAACAAGCACGGCATGGACAAGGGGATGTTCCCTTCTACTACCTCTACCTGGAGGCCGAGGATGGT
 GTAGCACATTTCTTCTGGCTGGGCGGAAAAGGAAAAGAAGCAAACCTCAAATTATCTCATCTCCCTGG
 ACCCAAGACATGTCTCGCAATGGGAGCAACTTTGTAGGCAAAGTTAGATCCAATGTCTTGGGCACGAA
 ATTCACCATCTTCGATAATGGGGTGAACCTGAGCGGAGTTACTGGGTTCCAGACAGTGCCCGGATCAGA
 GAGGAGCTGGGAGTCGTCTGTTATGAGACCAATGTCTTGGGATTACGGGGCCTCGGAAAATGACTGTGA
 TCCTTCCAGGAATGGACAGCCGGAAGCAGAGGATGAAAGTCCAGCCACAAAATGATCAGGATTCATATT
 GAGTCGCGTACAGAAGGGCGCTGGACACGGGCTGCTTCTACTGCAGAACAAGGCCCATCGTGGAGCGAC
 GAAAGCGGCGCATACGTACTCAATTTTACGGTCCGCTCACGCGGGCTTCAAGTCAAGAACTCCAGATAG
 TGCACCCGGATGAACCCGACCACCTGGTCTCCAGTTTGGCCGTGTGGCCCAACATATTCACGATGGA
 TTTCCGATATCTTTGCCGCTCCAAGCCTTCGCCATCTGCTATCCAGTTTCGATGGGAAACTGGCG
 GTGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG216785 representing NM_008807
 Red=Cloning site Green=Tags(s)

MDREGPRGPRSGASQENEQWKKETLEDEFSGVRLQKLEQQRQLFEKKQRRKRQEPLMVQANPDATLRHRR
 PRRGEERFQSDSSWGLGVGSPFLQENVPQAHLPSTGAHSALVTMSYVADGSGERAPLLSPRGAVYTRNGP
 AVRHHLCWLPDSSDSDVEEVTMEDIPVISRPPQTNLANLRRGWLASPGGISQEEKEEEVSTARDVEDK
 TPSPDPDPDPTVNSDGDHGLAPCKVEENTAQKNTETASGIGDEDREKGEVTESTETNYAPVASKVLQGD
 DGDAASNHNAMTCPQPRIPGRLGEDMEAYVLLPAPRDHMQCRIVRNKHGMDKGMFPSYYLYLEAEDG
 VAHFLLAGRKRKRSKTSNYLISLDPKMSRNGSNFVGKVRNVLGTKFTIFDNGVNPERSYVWPDSARIR
 EELGVVCEYETNVLGFRGPRKMTVILPGMDSRKQRMKVQPQNDQDSILSRVQKGAGHGLLLLQNKAPSWSD
 ESGAYVLNFHGRVTRASVKNFQIVHPDEPDHLVLQFGRVAPNIFTMDFRYPLCPLQAFIICLSSFQDGLA
 CE

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_008807

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_008807.3](#), [NP_032833.2](#)

RefSeq Size: 1760 bp

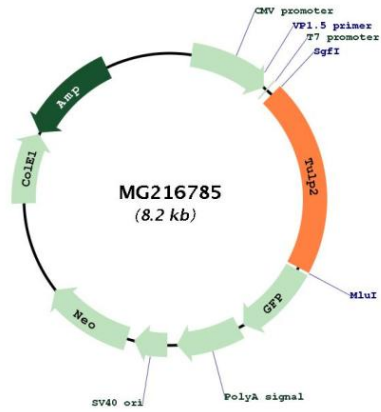
RefSeq ORF: 1689 bp

Locus ID: 56734

UniProt ID: [P46686](#)

Cytogenetics: 7 B3

Product images:



Circular map for MG216785