

Product datasheet for **MG209388**

Tdp1 (BC065162) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tdp1 (BC065162) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tdp1
Synonyms:	2810481F14Rik; 4921509N21Rik; A1838772; AW493413; E430034L06Rik; MLZ-501; SCAN1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209388 representing BC065162
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCCCAAGAAAGCAGCTACGGGAAGTGGACAATATCCAGTAGTGACGAAAGCGAGGATGAGAAGCCCA
 AACCTGATAAGCCGTCAGCATCCTCTACCCCCAGGCTGGGCAGGAGTGTGCAAGGAGCTCATATACAC
 CTGCTCAGAGGCCCGCAAGGTTGCACACAAGAGACAGATCTCACCTGTGAAGTCAACGACGCAGACTCG
 GTGCTACCCACAGAAGCAGAAGAGTACTCCCCGGAAGGTCTCGGCTGGTGTCTCTCCAGCAGCGATG
 ATGACCAGCAGCCAGATGTGACACAGCAGGAACAGCCTAAGAGAGTGTGCCTCAAGAGAAAAACATGT
 CTCCTCATCCGATGTGACTACTGCCAGAAAGTTGTGGATAGAAGCCCTCTGCCAGCCTTAGGCCCCAA
 AGGGCAGACGATGAGTACGAGACCTCAGGGGAAGGCCAGGACATCTGGGACATGTGGATAAGGGGAACC
 CCTTCCAGTTTTATCTCACTAGAGTGTGGGGATTAAGGCAAAGTACAACCTCAAAGCCCTCCACATCAA
 GGATATTTTATCCCCTCTGTTTGGGACACTTGTCTCTTCAAGTCAAGTAACTACTGCTTTGACGTGGAC
 TGGCTCATAAAGCAATATCCACCGGAATTCAGGAAGAACCCGATCCTGCTTGTGCACGGTGATAAGAGGG
 AAGCCAAGGCAGACTTACATGCCAGGCGAAGCCCTATGCGAACATTTCCCTCTGCCAGGCAAAGTTGGA
 TATTGCATTTGGAACACACCACAGAAAATGATGCTCTTGTCTATGAAGAAGGCCCTCCGAGTTGTCATC
 CACACCTCCAACCTCATCCGGAAGACTGGCACCAGAAAACCAAGGAATATGGTTGAGCCCTTTGTACC
 CAAGAATTGACCAGGGAAGCCACACAGCTGGAGAGTCAAGCACCCGTTTCAAAGCTGACCTCACCAGTTA
 TCTAACGGCGTAAACGCTCCCCCTCTGCAGGAGTGGATAGACATCATCAAGAGCATGACCTCTCTGAG
 ACCAATGTTTACCTCATTGGTTCAACCCCTGGACGCTTCAAGGAAGTCAAGAGATACAGAGATAACTGGGACATT
 TTAGGCTTAGAAAAGCTTCTGCAAGCGCATGCCCGTCCACACCAAGGGCGAGTGTGCCTATCGTGGG
 TCAGTTCTCAAGCATCGGCTCCCTGGGGCCGATGAATCCAAGTGGCTGTGCTCGGAGTTTAAAGACAGC
 TTGCTGGCACTGAGAGAGGAAGGCCGACCTCCGGCAAGAGTGCAGTTCTCTTCTATCTGATCTATCCCT
 CTGTGGAAAATGTGCGGACCAGCTTAGAAGGATACCCTGCTGGGGCTCTCTTCCCTATAGCATCCAGAC
 GGCTGAAAAGCAGAGGTGGCTGCACTCTACTTCCACAAGTGGTCAAGAGACATCCGGCCGAAGTAAT
 GCCATGCCACACATTAAGACGTACATGAGGCCCTCGCCAGACTTCAAGTAACTGGCTTGGTTCTGGTCA
 CAAGTGCGAATCTGTCCAAGGCTGCCTGGGGGCACTGGAGAAGAAGCCACCCAGCTGATGATACGCTC
 CTACGAGCTCGGGTCTCTTCTCCCTGCTGCGTTTGGCCTGGACACCTTCAAAGTGAACAGAAAATTC
 TTCTCCAGCAGCTGTGAGCCGACGGCCTCTTTCTGTGCCCTATGACCTGCCCCAGAGCTGTACGGGA
 GTAAAGACCGGCCTTGGATTTGGAACATTCCTATGTCAAAGCACCTGACACGCACGGCAACATGTGGGT
 GCCCTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG209388 representing BC065162
 Red=Cloning site Green=Tags(s)

MSQESSYGKWTISSDSEDEKPKPKPSASSHPQAGQGVSKELIYTCSEARKVAHKRQISPVKFNDADS
 VLPHKKQKSDSPEGLGWCLSSSDDDDQQPDVTQQEQPKRVLPQEKKHVSSSDVTTAQKVVDSPASLRPQ
 RADDEYETSGEGQDIWMLDKGNPFQFYLTRVSGIKAKYNSKALHIKDILSPLFGTLVSSAQFNCFDVD
 WLIKQYPPEFRKNPILLVHGDKREKADLHAQAKPYANISLQAKLDIAFGTHHTKMMLLLYEEGLRVVI
 HTSNLIREDWHQKTQGIWLSPLYPRIDQGSHTAGESSTRFKADLTSYLTAYNAPLQEWIDIIQEHDLSE
 TNVYLIGSTPGRFQGSHRDNWGHFRLKLLQAHAPSTPKGECWPIVGFSSIGSLGPDESKWLCSEFKDS
 LLALREGRPPGKSAVPLHLIYPSVENVRTSLEGYPAGGSLPYSIQTAEKQRWLHSYFHKWSAETSGRSN
 AMPHIKTYMRSPDFSKLAWFLVTSANLSKAAWGALEKNGTQLMIRSYELGVLFLPSAFGLDFTFKVKQKF
 FSSSEPTASFPVPYDLPELYGSKDRPWIWNIPYVKAPDTHGNMWVPS

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-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:	BC065162 , AAH65162
RefSeq Size:	2043 bp
RefSeq ORF:	1829 bp
Locus ID:	104884
Cytogenetics:	12 E