OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MG224528

Taf2 (NM_001081288) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Taf2 (NM_001081288) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Taf2
Synonyms:	150kDa; 4732460C16Rik; AI425886; CIF150; TAF2B; TAFII-150; TAFII150
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>MG224528 representing NM_001081288
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCGCCCACCGGCTTAGAGTCCTCCAGGATGAACAGGAAGAAAGGAGACAAGGGCTTCGAAAGCCCAC
GGCCGTACAAATTAACCCATCAGGTCGTCTGTATCAACAACATAAACTTCCAGCGAAAATCAGTTGTGGG
ATTTGTGGAGCTGACTATATTTCCCACAGTTGCCAACTTGAATAGAATTAAGTTGAACAGTAAACAGTGT
AGAATATACCGAGTCCGGATCAATGACTTGGAGGCCGCTTTTATTTATAATGATCCAACCTTAGAAGTTT
GTCACAGTGAATCGAAACAGAGAAACCTCAATTATTTTTCCAATGCGTATGCAGCTGCAGTCAGTGCTGT
GGACCCTGATGCGGGGAATGGAGAACTCTGCATTAAGGTTCCCTCAGAGCTCTGGAAACATGTCGATGAG
TTGAAGGTCCTGAAGATACATATTAATTTTTCTTTGGATCAACCAAAAGGAGGTCTTCATTTTGTGGTAC
CCAGTGTAGAGGGGAGTATGGCAGAGAGAGGTGCTCATGTCTTCTCTTGCGGGTATCAAAATTCTACAAG
ATTTTGGTTCCCGTGTGTCGATTCATACTCTGAGCTGTGTACCTGGAAGTTAGAATTTACAGTAGATGCT
GCAATGGTAGCCGTGTCCAATGGAGATTTGGTGGAGACCGTGTATACCCATGACATGAGGAAGAAGACCT
TCCATTATATGCTTACTATTCCTACTGCAGCATCCAATATCTCCTTGGCCATTGGACCATTTGAAATACT
CGTGGATCCATACATGCATGAGGTTACCCATTTTTGTTTGCCTCAACTTCTTCCGTTACTTAAACATACT
ACGTCATACATTCACGAAGTTTTTGAATTTTATGAAGAAATTTTGACTTGTCGCTATCCGTACTCCTGTT
TTAAGACGGTCTTCATTGATGAGGCATATGTTGAAGTGGCCGCTTACGCTTCTATGAGCATTTTCAGCAC
AAACCTTCTGCACAGCGCCATGATTATAGACGAGACGCCGCTGACCAGACGGTGCTTGGCACAGGCTTTA
GCACAGCAGTTCTTCGGATGTTTCATATCCAGGATGTCTTGGTCTGATGAATGGGTGCTGAAGGGAATTT
CAGGCTATATTTATGGACTGTGGATGAAAAAAACATTCGGAGTCAATGAGTACCACCATTGGATTAAAGA
GGAGCTAGATAAAATAGTGGCGTATGAACTGAAAACTGGGGGAGTTTTGCTTCATCCCATATTTGGTGGT
GGAAAAGAAAAGGATAACCCCGCATCTCACCTCCACTTTTCCATAAAGCATCCACATACACTGTCCTGGG
AGTACTACACTATGTTCCAGTGTAAAGCTCACCTCGTGATGAGACTGATTGAAAACAGAATCAGCATGGA
ATTTATGCTGCAAGTTTTCAATAAACTACTAAGTCTGGCCAGCACTGCTTCGTCTCAGAAGTTCCAGTCA

View online »

CATATGTGGAGCCAGATGCTGGTTTCCACTTACGGGTTTTTGAAGTCCATTTCCAATGTCTCTGGCAAAG
ACATCCAGCCCCTAATAAAGCAGTGGGTAGACCAGAGTGGAGTGGTAAAGTTTTACGGAAGTTTTGCGTT
TAATAGAAAACGAAATGTTTTAGAACTAGAAATAAAGCAAGATTACACATCTCCTGGCACCCAGAAGTAC
GTGGGACCTCTTAAAGTGACAGTGCAAGAGTTAGATGGATCCTTCAACCATACCTTGCAAATTGAAGAAA
ACAGCCTTAAACATGACATACCCTGCCACTCCAAGAGCAGAAGGAATAAGAAGAAAAAAATCCCACTGAT
GAATGGGGAAGAAGTTGATATGGATCTTTCTGCAATGGATGCTGATTCCCCTTTGTTGTGGATAAGGATA
GACCCAGATATGTCCGTCCTGAGGAAGGTGGAGTTTGAGCAGGCTGATTTTATGTGGCAGTATGAGCTCC
GCTATGAGAGAGATGTTGTTGCTCAGCAGGAATCCATCTTGGCCTTGGAAAAATTCCCCACTCCGGCATC
GCGCCTTGCGCTCACTGATATACTAGAGCAAGAGCAGTGTTTCTACCGAGTCAGGATGTCAGCGTGCTTC
TGTCTTGCAAAGATTGCCAACTCAATGGTGAGCACGTGGACAGGGCCGCCAGCCATGAAGTCTCTCTTTA
CTAGAATGTTCTGCTGTAAAACCTGCCCCAACATTGTGAAGACAAACAACTTCATGAGTTTCCAAAGCTA
CTTTCTGCAGAAGACTATGCCGGTTGCAATGGCTTTGTTAAGAGATGTACATAACCTTTGTCCTAAAGAA
GTTTTAACATTTATTTTAGACTTAATCAAGTACAATGACAACAGAAAAAATAAGTTTTCAGATAACTATT
ATCGTGCAGAAATGATTGATGCCCTTGCTAACTCAGTTACACCTGCTGTCAGTGTGAATAATGAAGTCAG
AACTTTGGATAACTTAAATCCTGATGTGCGACTAATTCTTGAAGAAATAACCCGGTTTCTGAATATGGAA
AAGCTTCTCCCAAGTTACAGACACACCATCACTGTCAGTTGCTTGAGAGCCATCCGGGTGCTTCAGAAGA
ACGGGCACGTGCCGAGTGATGCATCTCTCTTCAAATCCTACGCCGAGTATGGCCACTTTGTGGACATCAG
GATAGCAGCTCTGGAAGCCGTCGTTGATTACACTAAAGTGGACAGGAGTTATGAAGAACTTCAGTGGCTA
CTTAATATGATTCAGACTGACCCTGTTCCCTATGTGAGGCATAAGATTCTAAACATGCTGACTAAAAATC
CACCATTTACAAAGAACATGGAATCTCCTTTATGCAACGAAGCCCTGGTAGATCAGCTCTGGAAGCTGAT
GAATTCTGGCACTGCACATGACTGGAGGTTACGGTGTGGTGCTGTGGACTTGTACTTCACGCTGTTTGGC
CTCAGCAGACCGTCTTGCTTACCCTTGCCAGAGCTCGGGCTTGTTCTTAACCTAAAAGAGAAGAAAGCTG
TCTTGAATCCTACCATTATTCCAGAAGCTGGAGTAGGCAACCAGGAGTCTGCGAGTAACCCAGGCTGCCA
CGCTCAGCTAGCTGGATTCCAGAACCCTTTTTCAAGTTCTCAGGATGAGGAGGAGGTTGACATGGATACT
GTTCATGACAGTCAAGCCTTCATCTCCCATCATCTGAACATGCTCGAAAGGCCGTCCACTCCAGGGCTCT
CTAAGTACCGGCCGTCCGGCTCCAGATCCTCCTTAATGCCCCAGCATTCATTAGGCTGTGACATCACACC
ACCCACAAAACCCCAGTGGAGTATGGAGCTGTCCCGAAAGGGAGCAGGTAAAGAGCAGCCTTTGGAGATG
GGTGTGCATTCCATGGTGGCAGCCCCGCTCTCCATGTTTGCTAAGGAGGCTCTGTCATCGCGACACAGCG
AGCACCATCACCACCATCACCATGAGCACAAGAAGAAGAAGAAGCACAAGCACAAACACAAGCACAA
GCACAAGCACGACAGCAAGGACAAGGACAGGGAGCCCTTCGCCTTCTCCAGCCCTGCCAGCGGCAGGTCT
GTGCGCTCCCCCTCACTCTCAGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

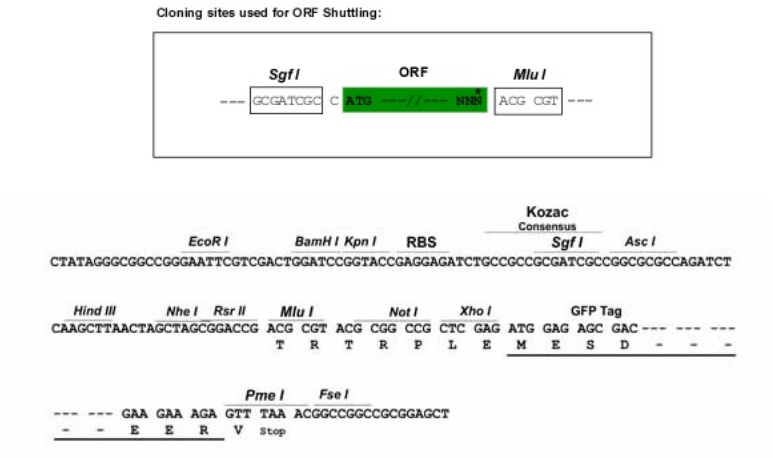
>MG224528 representing NM_001081288
Red=Cloning site Green=Tags(s)

MPPTGLESSRMNRKKGDKGFESPRPYKLTHQVVCINNINFQRKSVVGFVELTIFPTVANLNRIKLNSKQC
RIYRVRINDLEAAFIYNDPTLEVCHSESKQRNLNYFSNAYAAAVSAVDPDAGNGELCIKVPSELWKHVDE
LKVLKIHINFSLDQPKGGLHFVVPSVEGSMAERGAHVFSCGYQNSTRFWFPCVDSYSELCTWKLEFTVDA
AMVAVSNGDLVETVYTHDMRKKTFHYMLTIPTAASNISLAIGPFEILVDPYMHEVTHFCLPQLLPLLKHT
TSYIHEVFEFYEEILTCRYPYSCFKTVFIDEAYVEVAAYASMSIFSTNLLHSAMIIDETPLTRRCLAQAL
AQQFFGCFISRMSWSDEWVLKGISGYIYGLWMKKTFGVNEYHHWIKEELDKIVAYELKTGGVLLHPIFGG
GKEKDNPASHLHFSIKHPHTLSWEYYTMFQCKAHLVMRLIENRISMEFMLQVFNKLLSLASTASSQKFQS
HMWSQMLVSTYGFLKSISNVSGKDIQPLIKQWVDQSGVVKFYGSFAFNRKRNVLELEIKQDYTSPGTQKY
VGPLKVTVQELDGSFNHTLQIEENSLKHDIPCHSKSRRNKKKKIPLMNGEEVDMDLSAMDADSPLLWIRI
DPDMSVLRKVEFEQADFMWQYELRYERDVVAQQESILALEKFPTPASRLALTDILEQEQCFYRVRMSACF
CLAKIANSMVSTWTGPPAMKSLFTRMFCCKTCPNIVKTNNFMSFQSYFLQKTMPVAMALLRDVHNLCPKE
VLTFILDLIKYNDNRKNKFSDNYYRAEMIDALANSVTPAVSVNNEVRTLDNLNPDVRLILEEITRFLNME
KLLPSYRHTITVSCLRAIRVLQKNGHVPSDASLFKSYAEYGHFVDIRIAALEAVVDYTKVDRSYEELQWL
LNMIQTDPVPYVRHKILNMLTKNPPFTKNMESPLCNEALVDQLWKLMNSGTAHDWRLRCGAVDLYFTLFG
LSRPSCLPLPELGLVLNLKEKKAVLNPTIIPEAGVGNQESASNPGCHAQLAGFQNPFSSSQDEEEVDMDT
VHDSQAFISHHLNMLERPSTPGLSKYRPSGSRSSLMPQHSLGCDITPPTKPQWSMELSRKGAGKEQPLEM
GVHSMVAAPLSMFAKEALSSRHSEHHHHHHHEHKKKKKKHKHKHKHKHKHDSKDKDREPFAFSSPASGRS
VRSPSLSD

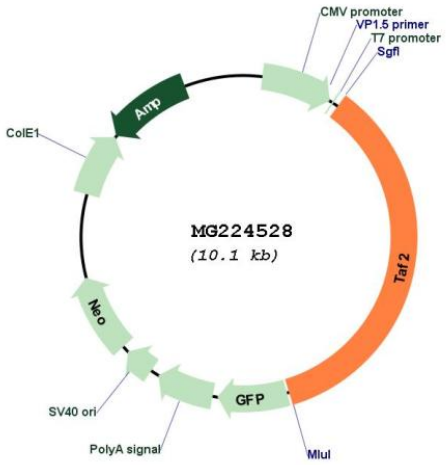
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001081288
ORF Size:	3594 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_001081288.1, NP_001074757.1
RefSeq Size:	5033 bp
RefSeq ORF:	3597 bp
Locus ID:	319944
Cytogenetics:	15 D1