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Product datasheet for MG219321

Tacc1 (NM_177089) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tacc1 (NM_177089) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tacc1
Synonyms:	4833447E04Rik; AA960202; B230378H13Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

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ORF Nucleotide Sequence:

>MG219321 representing NM_177089
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGTTCAGTCCCTGGCAGATCCTGTCGCCCGTGCAGTGGGCCAAGTGGACGTGGTCCGCGGTGCGCG
GTTCGGGCGCCGGAGAGGACGAAGCCGGAGGTCCCGAGGGCGACCCCGAGGAGGAAGAGGACTCGCAAGC
CGAGACCAAATCCCTGAGTTTCAGCTCGGATTCTGAAGGTAATTTTGAGACTCCTGAAGCTGAAACTCCA
ATCAGATCGCCTCTCAAGGAGTCTTGTGATTCATCACCGGGATTGGCAGAACCCGAGGCCAAACCCCAAG
AATCTCGAGAAGCCGATGAACAGTTGGTAGCAGAAGTAATTGAAAAATGTTCACCCGATACATGTTCTCG
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GAACACGATGTTAGCAAGATCTCAGTAGTGAGGCCGTTTTCAATAGAAACCAGGAATTGTACAGATGACC
CTGCGGCTCTGGGGACAGCAGCAGCCCATGGCTGTGTCCCCGTGCTCCCAGGCATGGCCTTGCCTTCCAC
CACACCGGAAGCCACTCAGGATGAGCCAGTGATGGACAGAGGCATGGGGGTTACATTGGAGGCTTTTACA
GAAGCCAGTCTGAAGACTGGAGGACCCTGTCCAGAGCCCGTGGCCAGCAGAAGCAAGCTAAGAAAGCCCA
AACCTGTCTCCCTGAGGAAGAAGATGGCCCCTGAACCGGAAATGTTGATGGAGGGTTCACCTCTCCCTAA
GGCTTCCTCCCCATGGCTTCCTGATGGCTTGGATCAGAACGCGAATCCTAGTGTGCTGAGAGGCTCGGGG
GCCCAGAGATCTCCCCTTAACCTTAAAGAAACAGCTGGTGTTCTCAGTAACGACACCAGTGACTCGGGGG
TCGAGCTGCAGGGTGGGTCCAGGGACCCACCTCTCCAACTTGAGGATGATTTTACAGAAGATGGGGAGAA
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TCGACCAGATGTCTCCTAAGCTAGATCCGAGTAAACGGAGTCATCCCCCCGCTAATTTCTTCGGGAGTGG
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CCAAGGCGAAGGCTGAGAGTGCCGCTCTCCATGCCGGACTCCGGAAGGAGCAGATGAAGGTGGAGTCCCT
GGAGAGGGCTCTTCAGCAGAAGAATCAAGAGATTGAGGAGCTGACAAAAATCTGTGACGAGTTGATCGCA
AAGCTGGGAAAGACCGAC

AGCGGACCGACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

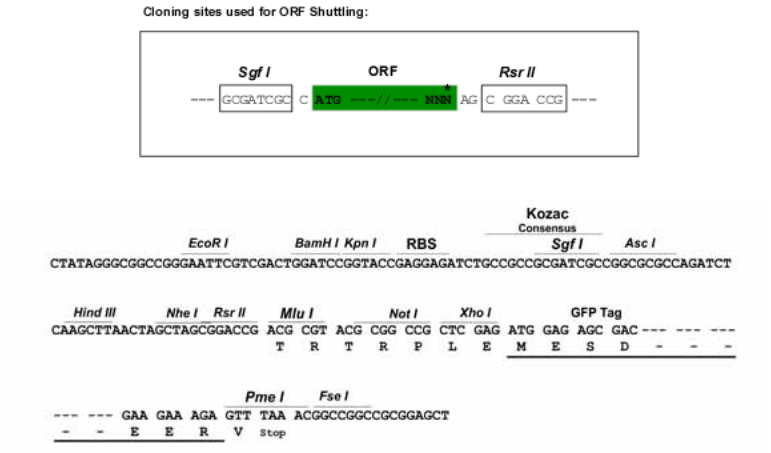
>MG219321 representing NM_177089
Red=Cloning site Green=Tags(s)

MAFSPWQILSPVQWAKWTWSAVRGSGAGEDEAGGPEGDPEEEEDSQAETKSLSFSSDSEGNFETPEAETP
IRSPLKESCDSSPGLAEPEAKPQESREADEQLVAEVIEKCSPDTCSRSSENEAPQATVDSHPVKDVRGKA
EHDVSKISVVRPFSIETRNCTDDPAALGTAAAHGCVPVLPGMALPSTTPEATQDEPVMDRGMGVTLEAFT
EASLKTGGPCPEPVASRSKLRKPKPVSLRKKMAPEPEMLMEGSPLPKASSPWLPDGLDQNANPSVLRGSG
AQRSPLNLKETAGVLSNDTSDSGVELQGGSRDPPLQLEDDFTEDGENVKIRSALPKQSGRKPSNKLAPSI
RKDGVSKPVGVEQPSDPTVQDALLDQMSPKLDPSKRSHPPANFFGSGPILQNSPPLSSKCSHHFDPNNIN
TDDSGDPCKPTPALTSSGFCPATGNHVNEILDSPKKAKSRLITSGCKVKKYEAQPLDLDACSQDEGAVIS
KISEIPNRDGHATDEEKLASTSSCAQKSAGAGVKGIEKETCQKMEKEELAVHGLLESSSEKAPVSVACGG
ESPLDGICLSEADKTAVLTLIREEIITKEIEANEWKKKYEETREEVLEMRKIVAEYEKTIAQMIEDEQRT
SMSSQKSFQQLTMEKEQALADLNSVERSLSDLFRRYENLKGVLEGFKKNEEALKKCAQDYLARVKQEEQR
YQALKVHAEEKLDRANEEIAQVRSKAKAESAALHAGLRKEQMKVESLERALQQKNQEIEELTKICDELIA
KLGKTD

SGPTRTRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_177089

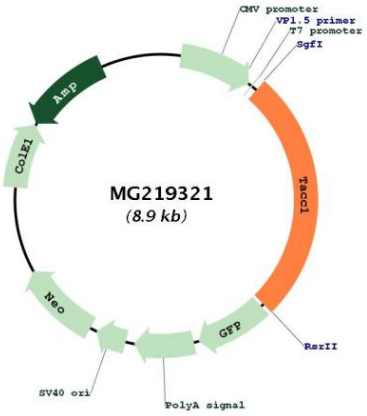
ORF Size: 2328 bp

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_177089.5, NP_796063.3
RefSeq Size:	7695 bp
RefSeq ORF:	2331 bp
Locus ID:	320165
UniProt ID:	Q6Y685
Cytogenetics:	8 A2
Gene Summary:	Involved in transcription regulation induced by nuclear receptors, including in T3 thyroid hormone and all-trans retinoic acid pathways. Might promote the nuclear localization of the receptors (By similarity). Likely involved in the processes that promote cell division prior to the formation of differentiated tissues.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG219321