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Product datasheet for MR219249

Tacc1 (NM_199323) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tacc1 (NM_199323) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tacc1
Synonyms:	4833447E04Rik; AA960202; B230378H13Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR219249 representing NM_199323
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGTTCAGTCCCTGGCAGATCCTGTCGCCCGTGCAGTGGGCCAAGTGGACGTGGTCCGCGGTGCGCG
GTTCGGGCGCCGGAGAGGACGAAGCCGGAGGTCCCGAGGGCGACCCCGAGGAGGAAGAGGACTCGCAAGC
CGAGACCAAATCCCTGAGTTTCAGGAGCGGCTGCAAAGTGAAGAAATACGAAGCTCAGCCTCTCGATTTG
GACGCGTGTTCCCAGGATGAAGGAGCCGTGATCTCGAAGATCTCAGAGATTCCCAACAGGGACGGCCACG
CGACTGATGAGGAGAAGCTGGCCTCCACGTCGTCGTGTGCTCAGAAGTCAGCGGGGGCTGGGGTCAAAGG
CATAGAAAAGGAGACATGCCAGAAGATGGAGAAAGAGGAACTGGCTGTGCATGGACTGCTGGAGTCCTCT
TCAGAAAAGGCCCCCGTGTCTGTGGCCTGTGGGGGTGAGAGCCCCCTGGATGGGATCTGCCTCAGCGAAG
CAGACAAGACTGCCGTGCTCACGTTGATCAGAGAAGAGATAATCACTAAAGAGATCGAAGCAAATGAATG
GAAGAAGAAATACGAAGAGACCCGGGAAGAAGTTCTGGAGATGAGGAAAATTGTGGCAGAATATGAAAAG
ACCATTGCCCAAATGATTGAGGACGAGCAGAGGACAAGCATGAGTTCTCAGAAGAGTTTCCAGCAGCTGA
CCATGGAGAAGGAGCAGGCGCTGGCGGACCTGAACTCTGTGGAGAGGTCCCTTTCTGATCTCTTCAGGAG
ATACGAAAACCTGAAAGGCGTGCTAGAAGGATTCAAGAAGAATGAAGAAGCCTTGAAAAAGTGTGCTCAG
GACTACTTAGCCAGAGTCAAGCAGGAAGAGCAGCGATACCAGGCCCTGAAGGTTCACGCAGAGGAAAAGC
TGGACAGAGCCAACGAGGAGATTGCTCAGGTTCGCTCCAAGGCGAAGGCTGAGAGTGCCGCTCTCCATGC
CGGACTCCGGAAGGAGCAGATGAAGGTGGAGTCCCTGGAGAGGGCTCTTCAGCAGAAGAATCAAGAGATT
GAGGAGCTGACAAAAATCTGTGACGAGTTGATCGCAAAGCTGGGAAAGACCGAC

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

View online »

Protein Sequence:

>MR219249 representing NM_199323
Red=Cloning site Green=Tags(s)

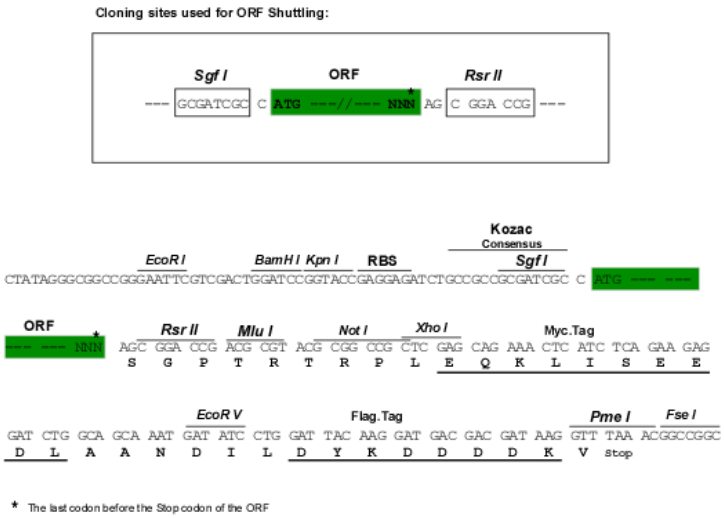
MAFSPWQILSPVQWAKWTWSAVRGSGAGEDEAGGPEGDPEEEEDSQAETKSLSFRSGCKVKKYEAQPLDL
DACSQDEGAVISKISEIPNRDGHATDEEKLASTSSCAQKSAGAGVKGIEKETCQKMEKEELAVHGLLESS
SEKAPVSVACGGESPLDGICLSEADKTAVLTLIREEIITKEIEANEWKKKYEETREEVLEMRKIVAEYEK
TIAQMIEDEQRTSMSSQKSFQQLTMEKEQALADLNSVERSLSDLFRRYENLKGVLEGFKKNEEALKKCAQ
DYLARVKQEEQRYQALKVHAEEKLDRANEEIAQVRSKAKAESAALHAGLRKEQMKVESLERALQQKNQEI
EELTKICDELIAKLGKTD

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9038_h07.zip

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_199323

ORF Size: 1104 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_199323.3, NP_955355.1

RefSeq Size: 6471 bp

RefSeq ORF: 1107 bp

Locus ID: 320165

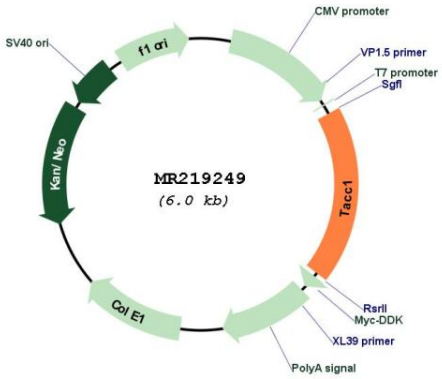
UniProt ID: Q6Y685

Cytogenetics: 8 A2

MW: 41.6 kDa

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 MR219249