

Product datasheet for MR229799

Tekt1 (NM_001282006) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tekt1 (NM_001282006) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tekt1
Synonyms:	MT14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR229799 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGCCAAGCTACTGCAATCTCCACCCAGGTTCTTCTGAGGAGTGGTATATTGCTAACAAAAGCCAGT
ACCACAGAGCAGAGGCCAAAGTCCCAATCTGAACGCTTGGTGGCAGAGAGCCAGAGGCTTGTGGAAGA
AATTGAGAAGACCACCAGGAAGTCTCAGAGCGATGTGAACAAGAACTTGAGCAGAGACTTGAGGAGGTC
AGGTTCTGGAAGAAGGAGTTAGATGACAACTTGAACAGCTCGTGAACCAGACGGATGACCTGCTTACGT
ACAAGACCCGCTGGAGAGATCCTTGGAGAGCTACAAGGAGCCCCTGCACATCACGGAGAAGTGCTTGG
ATACAGGGAGAAGCGTGTGGGCATCGATTTGGTACACGATGTGGTGGAGCAGGAGCTGCAGAAGGAGGCT
GATATCATCCACGGAGTCATGAACCTGCTTATCCGCACGCTGGAAGAGTCAACAGAACAGATCAGGCTGA
ACCGCTCTGCCAAGTACAATCTGAAAAAGGATTTGAGGGATAAGTTCACGGCCATAACTATCGATGACGT
CTGCTTCTCACTCAACAATAACTCACCAATATCAATTTTTCTGAGAAGGTTGTGAGAATCGAGCCCAAC
TCAGTGAGTCTGGAGGACTGGCTGGACTTCTCCAATGCCAATGTGGAGAAGGCAGACAAACAGCTGAACA
ATTCACGGCGCTGAAGACCCTGGTGGACCAATCCTGTCCAGACAGCCAATGACCTGCCGAGACAGTG
CGAAGTGGTAGACGAGGCATTATAAATGGGCTGAAGGAGACCAAGGATGCCAGGAACAAGCTGGCTGAT
CATCTGGCCAAGGTTATGGAAGAAATGCTTCCAGGAAAAAACATCATGGCTCTTAAAAATGCCATCA
CGCAGCAAGAAGGCCAGCCAAGGTAGCACACACACGCTGGAGACCAGGACGCACCCGGCCGAACGTTGGA
GCTGTGTCGAGATATTGCCAGTATCGGCTGATCAAGGAGATTCAGGAGATCAACCACAATGTTGCCAGG
TTAAAGGAAACCCCTGGCCAGGCTCAGACGCAGCTGAAGGCCCTGTACCGCAGGCAGCTGGCCCTGCAGG
AGGAAATCCAGGTGAAGGAGAACACCATCTATATCGACCAGGTGCTGTGTATGGAGATGAGGAAGTCCAT
CCCACCTCGAGACGGCGACGACCATGGGGCTGGGAGGGGGCATCCGCGCAGAGGCCATCTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229799 protein sequence
 Red=Cloning site Green=Tags(s)

MAKLLQSPPRFLPEEWYIANKSQYHRAEAQRSQSERLVAESQRLVEEIEKTTTRKSQSDVNKKLEQRLEEV
 RFWKKELDDKLEQLVNQTDLLTYKTRLEERSLESYKEPLHITEKCLEYREKRVGIDLVDVVEQELQKEA
 DIIHGVMNLLIRTLLEESTEQRILNRSKYNLEKDLRDKFTAITIDVCFSLNNNSPNINFSEKVVRIEPN
 SVSLEDWLDVSNANVEKADKQLNNSALKTLVDQILSQTANDLRRQCEVDEAFINGLKETKDARNKLAD
 HLAKVMEEIASQEKNIMALENAITQQEGPAKVAHTRLETRTHRPNVELCRDIAQYRLIKEIQEINHNVAR
 LKETLAQAQTQLKALYRRQLALQEEIQVKENTIIYIDQVLCMEMRKSIPPRDGDHGAWEGGIRAEAIC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001282006

ORF Size: 1254 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_001282006.1](#), [NP_001268935.1](#)

RefSeq Size: 1459 bp

RefSeq ORF: 1257 bp

Locus ID: 21689

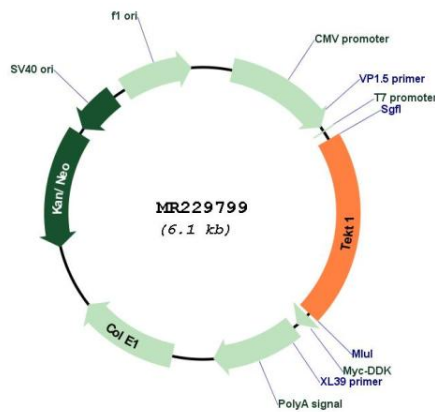
UniProt ID: [Q9DAJ2](#)

Cytogenetics: 11 B4

MW: 48.6 kDa

Gene Summary: Structural component of ciliary and flagellar microtubules. Forms filamentous polymers in the walls of ciliary and flagellar microtubules (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR229799