

Product datasheet for **MR207173**

Tuba8 (NM_017379) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tuba8 (NM_017379) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tuba8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207173 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGGAATGCATATCGGTCCATGTGGGTCAAGCCGGAGTTCAGATTGGCAATGCCTGCTGGGAGCTCT
 TCTGCTTGGAGCACGGCATCCAGGCGGATGGAACCTTTGGCACTCAGCCAGCAAGATCAACGATGACGA
 CTCTTTTACCACCTTCTTCAGTGAGACTGGCAACGGGAAACACGTGCCCGGGCTGTCATGGTGGACCTG
 GAGCTACCGTAGTAGATGAGGTGCGGGCAGGAACCTACCGCCAGCTCTCCATCCTGAGCAGCTGATCA
 CAGGCAAGGAGGATGCAGCTAACAATTACGCCCGGGCACTATACGGTGGGCAAGGAGATATCGATCT
 GGTGCTGGACCGAATCCGTAACTGACTGATGCCTGCTCCGGCTTGACAGGGCTTCTCATCTTCCACAGC
 TTTGGTGGGGCACAGGATCTGGCTTACTTCTCTGCTGATGGAGCGCTTCCCTAGACTATGGCAAGA
 AGTCCAAGCTGGAATTTGCCATCTACCCAGCCCCCAGGTCTCCACAGCAGTGGTGGAGCCTTACAACCT
 CATCCTGACCACCATACCACCCTGGAACATTCGACTGTGCTTTCATGGTGGATAACGAAGCCATCTAC
 GACATCTGCCGACGGAACCTGGATATTGAACGCCCCACCTATACCAACCTCAACCGCCTCATCAGCCAGA
 TTGTGCTCCTCATCACTGCCTCTCTCCGCTTGTGATGGCGCCCTCAATGTGGACCTCACAGAGTTTCAGAC
 CAACCTGGTACCCTACCCCCGAATCCACTTCCCCTGGTCACTTACGCCCCATCATTTCTGCTGAGAAA
 GCCTACCACGAGCAGCTGTCTGTGGCAGAGATAACTAGCTCCTGTTTCGAGCCCAACAGCCAGATGGTGA
 AGTGTGACCCACGTCATGGCAAATACATGGCCTGCTGCATGCTCTACCGCGGTGATGTGGTACCCAAAGGA
 CGTGAATGTCGCCATTGCTGCCATCAAGACCAAGAGAATTTAGTGGTGGTGGTGGTGGTGGTGGTGGTGGT
 TTCAAGGTGGGCATCAACTACCAGCCACCTACTGTCGTCAGGAGGGGACCTGGCCAAAGTCCAGCGAG
 CCGTGTGCATGCTGAGCAACACCACAGCAATCGCAGAGGCTGGGCCCGCCTTGACCATAAGTTTGACCT
 CATGTACGCCAAGCGGGCCTTTGTACATTGGTATGTTGGAGAGGGTATGGAAGAAGGAGAGTTTTCTGAG
 GCCAGGGAGGACCTGGCTGCTCTGGAGAAGGATTATGAAGAAGTGGGACTGATTCGTTTGAAGAAGAGA
 ATGAGGGGGAGGAATTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207173 protein sequence
 Red=Cloning site Green=Tags(s)

MRECISVHVQAGVQIGNACWELFCLEHGIQADGTFGTQASKINDDSFSTFFSETGNGKHVPRAYMVDL
 EPTVVDEVRAGTYRQLFHPEQLITGKEDAANNYARGHYTVGKESIDLVLDRIRKLTADCSGLQGFLIFHS
 FGGGTGSGFTSLLMERLSLDYGKKSLEFAIYPAPQVSTAVVEPYNSILTHTTLEHSDCAFMDNEAIY
 DICRRNLDIERTYTNLNRLISQIVSSITASLRFDGALNVDLTFQTNLVPYPRIHFPLVTYAPIISA
 AYHEQLSVAEITSSCFEPNSQMVKCDPRHGKYMCCMLYRGDVVPKDVNVAIAAIKTKRTIQFVDWCPTG
 FKVGINYPPTVVPGGDLAKVQRAVCMLSNNTTAAEAWARLDHKFDLMYAKRAVHWYVVEGMEEGEFSE
 AREDLAALAEKDYEEVGTDSFEEENEGEFF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_017379

ORF Size: 1350 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_017379.2](#)

RefSeq Size: 1432 bp

RefSeq ORF: 1350 bp

Locus ID: 53857

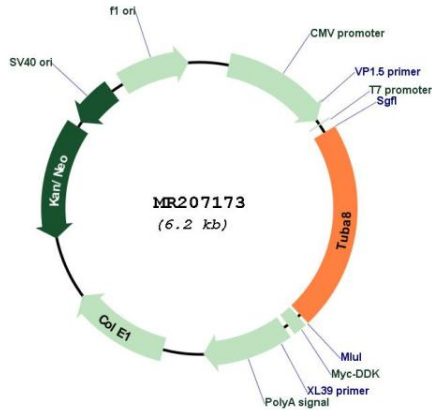
UniProt ID: [Q9JJZ2](#)

Cytogenetics: 6 F1

MW: 50.1 kDa

Gene Summary: This gene encodes a member of the tubulin family of cytoskeletal proteins that form the integral component of microtubules. This gene is preferentially expressed in heart, skeletal muscle and testis. The encoded protein may play a role in liver tumorigenesis in mice. [provided by RefSeq, Sep 2015]

Product images:



Circular map for MR207173