

Product datasheet for **MR220371**

Nt5dc1 (NM_176968) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nt5dc1 (NM_176968) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nt5dc1
Synonyms:	6030401B09Rik; AW987726; Nt5c2l1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR220371 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTCAGCACTTCTCCCTGGGCGCCTGCGACGTGGTCGGCTTCGATCTCGACCACACGCTGTGCCGCT
 ACAACCCGCCGAGAGCGCCCGCTCATTATAACAGCTTTGCTCAGTTCTTAGTCAAGGAGAAAGGATA
 TGATGAGGGGCTGCTCACTCTGACTCCAGAGGACTGGGATTTCTGTTGCAAGGGTTTGGCATTGGATCTG
 GAAGATGGGACCTTCATTAACCTTGACGCTGATGGCACTGTGCTCAGGGCAAGCCACGGCACCAAGATGA
 TGAATCCAGAGGCACTGACTGAAGCCTTTGGCAAGAAGGAGTGGAGGCACTGTGTGTGAGACAAACGCTG
 TACATCAGACAAGCCCGGTGTGTCGACATTCTTGCTGCTCAGGAAAGTGTATTTCTATGATAACTAC
 TTTGACCTGCCGGGGCTCTTCTGTGTGCCAGAGTGGTGGACTCTTAACAAAGAACAGAGGTCAAAAAA
 CATTTGATTTTTGAAGGATGTAGTTGCTGGTATACAACACAATTTAAAATGTCAGCCTTTAAGGAAAA
 TTGTGGATTCTTCTTCCGAAATAAACAGAAATCTAGGCAAATATGTGCACCGCTGTCTGAGTCTGTA
 AGAAAGTGGCTTCGACAGCTGAAGGACGCTGGGAAAATTAATATGTTGATAACTAGTTCTCACAGTGATT
 ACTGTAACTTCTTGGCAGTTACATCCTTGGGGAGGATTTTGCAGACCTTTTGCATTGTGATTACAAA
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 GAGAAGGATGAGCTGCCGTCTCTGGATAAACCGGGCTGGTACTCCAAGGGAACGCTGCCACCTTTATG
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 ATGGAAAAGCCTGAGGAAGCAGAGCCTCTGGAGAAAAGAGGAAAATATGAGGCACCAATGGTAAAGCCTC
 TAAACACCTTGTCTAATAAGTGGGGCTCATACTTTATTGACTCAGTCTCCGGACGGGGAGGGCAGAAGA
 CTCTGTGGTTTATACATGGTCCTCTAAGAGAATCAGCACCTACGATACGATTGCAATTCCTCAACATTGAA
 TCTATTGCAGAGTTACCCCTGGACTACAAATTTACAAGATTTTCTACAAACAATTCAAAAATGGCTGGT
 ACTATCCCTTGGTCCATCATACCTTGGGTCTCAAGACACAGACAGCAAAATAATATCTACTGAAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR220371 protein sequence
 Red=Cloning site Green=Tags(s)

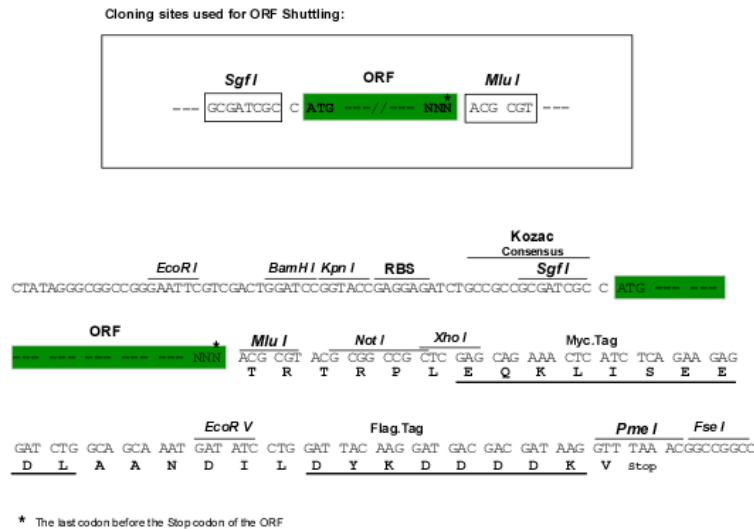
MAQHFSLGACDVVGFDLHTLCRYNPESARLIYNSFAQFLVKEKGYDEGLLTLTPEDWDFCKGLALDL
 EDGTFIKLAADGTVLRASHGKMMTPEALTEAFGKKEWRHCVSDKRCSTDKPGVSDIPCCSGKCYFYDNY
 FDLPGALLCARVVDSTKNRGQKTFDFWKDVVAGIQHNFKMSAFKENCGRFFPEINRNLGKYVHRCPESV
 RKWLRLKLDAGKITMLITSSHSDYCKLLGSYILGEDFADLFDIVITNALKPGFFPHFPSQRPFYTLNDE
 EKDELPSLDKPGWYSQGNAAHLYELLKKMTSKPEPKVVYFGDSMHSDIFPAHHYTNWETVLIILEELQGPE
 MEKPEEAEPLEKRGKYEAPMVKPLNTLSNKGWYFIDSVSGRGAEDSVYTWSSKRISTYSTIAIPNIE
 SIAELPLDYKFTRFSTNNSKMAGYYPLVHHTLGSQDTSKIISTEK

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_176968

ORF Size: 1398 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_176968.1](#), [NM_176968.2](#), [NM_176968.3](#), [NM_176968.4](#), [NM_176968.5](#), [NP_795942.2](#)

RefSeq Size: 2716 bp

RefSeq ORF: 1404 bp

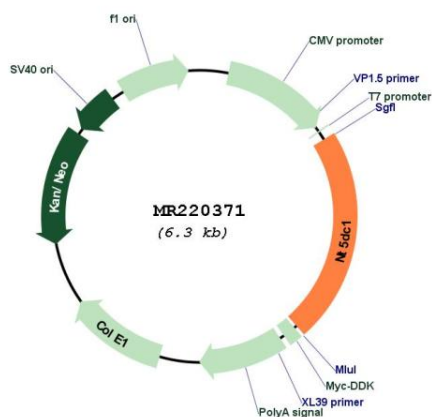
Locus ID: 319638

UniProt ID: Q8C5P5

Cytogenetics: 10 B1

MW: 52.9 kDa

Product images:



Circular map for MR220371