

Product datasheet for **MG220371**

Nt5dc1 (NM_176968) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nt5dc1 (NM_176968) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nt5dc1
Synonyms:	6030401B09Rik; AW987726; Nt5c2l1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG220371 representing NM_176968
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTCAGCACTTCTCCCTGGGCGCTGCGACGTGGTCGGCTTCGATCTCGACCACACGCTGTGCCGCT
 ACAACCCGCCGAGAGCGCCCGCTCATTATAACAGCTTTGCTCAGTTCTTAGTCAAGGAGAAAGGATA
 TGATGAGGGGCTGCTCACTCTGACTCCAGAGGACTGGGATTTCTGTTGCAAGGGTTTGGCATTGGATCTG
 GAAGATGGGACCTTCATTAACCTTGACGCTGATGGCACTGTGCTCAGGGCAAGCCACGGCACCAAGATGA
 TGACTCCAGAGGCACTGACTGAAGCCTTTGGCAAGAAGGAGTGGAGGCACTGTGTGTGACACAAACGCTG
 TACATCAGACAAGCCGGTGTGTCGACATTCTTGTGCTCAGGAAAGTGTATTTCTATGATAACTAC
 TTTGACCTGCCGGGGCTCTTCTGTGTGCCAGAGTGGTGGACTCTTAAACAAAGAAGAGGTCAAAAA
 CATTTGATTTTTGAAGGATGTAGTTGCTGGTATACAACAATTTAAAATGTCAGCCTTAAAGAAAA
 TTGTGGATTCTTTCCGGAAATAACAGAAATCTAGGCAAATATGTGCACCGCTGTCTGAGTCTGTA
 AGAAAGTGGCTTCGACAGCTGAAGGACGCTGGGAAAATTAATATGTTGATAACTAGTTCTCACAGTGATT
 ACTGTAACCTTCTGGCAGTTACATCCTTGGGGAGGATTTTGCAGACCTTTTGCATTGTGATTACAAA
 CGCATTAAAGCCTGGATTCTTCCACATTTCCCAAGCCAGAGGCCTTCTACACACTCGAGAATGATGAA
 GAGAAGGATGAGCTGCCGTCTCTGGATAAACCGGGCTGGTACTCCAAGGGAACGCTGCCACCTTTATG
 AGCTTCTGAAGAAAATGACCAGCAAGCCTGAACCAAGGTCGTTACTTTGGTGACAGCATGCATTGAGA
 CATTTTCCAGCCATCACTATACTAAGTGGGAGACTGTCCTTATTCTCGAGGAGCTTCAGGGGCCAGAA
 ATGGAAAAGCCTGAGGAAGCAGAGCCTCTGGAGAAAAGAGGAAAATATGAGGCACCAATGGTAAAGCCTC
 TAAACACCTTGTCTAATAAGTGGGGCTCATACTTATTGACTCAGTCTCCGGACGGGGAGGGCAGAAGA
 CTCTGTGGTTTATACATGGTCTCTAAGAGAATCAGCACCTACAGTACGATTGCAATTCCAAACATTGAA
 TCTATTGCAGAGTTACCCCTGGACTACAAATTTACAAGATTTTCTACAAACAATTCAAAAATGGCTGGT
 ACTATCCCTTGGTCCATCATACCTTGGGTCTCAAGACACAGACAGCAAAATAATATCTACTGAAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG220371 representing NM_176968
 Red=Cloning site Green=Tags(s)

MAQHFLGACDVVGFDLHTLCRYNPPESARLIYNSFAQFLVKEKGYDEGLLTLTPEDWDFCKGLALDL
 EDGTFIKLAADGTVLRASHGKMMTPEALTEAFGKKEWRHCVSDKRCTSDKPGVSDIPCCSGKCYFYDNY
 FDLPGALLCARVVDLTKNRGQKTFDFWKDVVAGIQHNFKMSAFKENCFFPEINRNLGKYVHRCPEV
 RKWLRQLKDAGKITMLITSSHSYCKLLGSYILGEDFADLFDIVITNALKPGFFPHFPSQRPFYTLNDE
 EKDELPSLDKPGWYSQGNAAHLYELLKMTSKPEPKVVYFGDSMHSDFPAHHYTNWETVLIIEELQGPE
 MEKPEEAEPLEKRGKYEAPMVKPLNLSNKWGSYFIDSVSGRGRAEDSVVYTWSSKRISTYSTIAIPNIE
 SIAELPLDYKFRFSTNNSKMAGYYPLVHHTLGSQDTSKIISTEK

TRTRPLE - GFP Tag - V

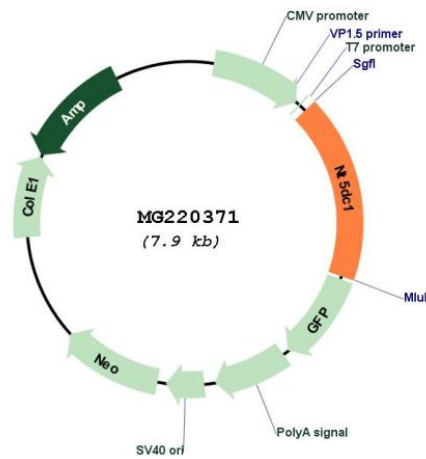
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_176968

ORF Size: 1401 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:	<ol style="list-style-type: none">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:	<u>NM_176968.4</u> , <u>NP_795942.2</u>
RefSeq Size:	2716 bp
RefSeq ORF:	1404 bp
Locus ID:	319638
UniProt ID:	<u>Q8C5P5</u>
Cytogenetics:	10 B1