

Product datasheet for **MG206093**

Nt5dc2 (BC011230) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nt5dc2 (BC011230) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nt5dc2
Synonyms:	2510015F01Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206093 representing BC011230 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGAAATTGACGCTTTTCACTATGTACAACTGGGAACGGCCTACAGGGCCTCAAGCCTGTGCCGACG
ATGAAGTGATCGACCTGTACGGCGGCACCCAGCACATCCCACTCTACCAGATGAGCGGCTCTATGGCAA
GGGCCCATCTATCAAGCAGTTCATGGACATCTTCTCGCTCCAGAGATGGCTCTGCTGCTCTGTGGTG
GACTACTTTCTGGGCCACGGCCTGGAGTTTGACCAAGTACATCTCTACAAGGATGTGACGGATGCTATCC
GCGATGTGCATGTAAAGGGCCTCATGTACCAAGTGGATCGAGCAAGACATGGAGAAGTACATCCTGAGAGG
AGATGAGACATTTGCGGTGCTGAGCCGCTGGTGGCCCATGGGAAACAGCTGTTCCCTATTACCAACAGT
CCCTTCAGCTTTGTGGACAAAGGTATGCGGCACATGGTAGGTCCCGATTGGCGCCAACCTCTTCGACGTGCG
TCATCGTCCAGGCAGACAAGCCCACTTTTACCAGACAGGCGCAAGCCTTTTCGCAAGCTTGACGAGAA
GGGCTCCCTCCACTGGGACCGTATCACTCGCCTAGAGAAGGGCAAGATCTATCGGCAGGGAAACCTGTTT
GATTTTCTTCGTCTGACGGAATGGCGAGGGCCGCGTGTGCTCTACTTCGGTGACCACTTTACAGTGACC
TGGCGGATCTCATGCTGCGGCACGGCTGGCGCACGGGAGCCATCATCCCTGAGCTGGAGCGCGAGATCCG
CATCATCAACACGGAGCAGTACATGCACTCGCTGACCTGGCAGCAGGCTCTCACTGGGCTGCTGGAGCGC
ATGCAGACCTATCAGGATGCAGAGTACGGCAGGTGCTGGCTACCTGGATGAAGGAGCGGCAAGAAGTGA
GATGCATCACAAGGCCCTATTCAACGCCAGTTTCGGGAGCATCTTCGACCTTCCACAACCTACCTA
CTTCTCCCGCGCCTCGTGCGCTTCTCCGACCTCTACATGGCCTCACTCAGCTGCTGCTCAACTACCGC
GTAGACTTCACCTTACCCGCGCCGCACACCCCTGCAGCACGAGGCACCCCTCTGGATGGACAGCTGT
GCACTGGCTGCATGAAGACACCTTTCTTGGTGACATGGCCACATCCGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >MG206093 representing BC011230
 Red=Cloning site Green=Tags(s)

MKIDAFHYVQLGTAYRGLKVPDPDEVIDLYGGTQHIPL YQMSGFYGKGPSIKQFMDIFSLPEMALLSCVV
 DYFLGHGLEFDQVHLYKDVTD AIRDVHVKGLMYQWIEQDMEKYILRGDETF AVL SRLVAHGKQLFLITNS
 PFSFVDKGMHRMVGPDWRQLFDVVIVQADKPNFFD RRKPFRLDEKGS LHWDRITRLEKGIYRQGNLF
 DFLRLTEWRGPRVLYFGDHL YSDLADLMLRHGWRTGAI IPELEREIRIINTEQYMHS LTWQQALTGLLER
 MQTYQDAESRQVLATWMKERQELRCITKALFNAQFGSIFRTFHNPTYFSRRLVRFSDLYMASL SCLLNRYR
 VDFTFYPRRTPLQHEAPLWMDQLCTGCMKTPFLGDMAHIR

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: BC011230

ORF Size: 1172 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: BC011230, AAH11230

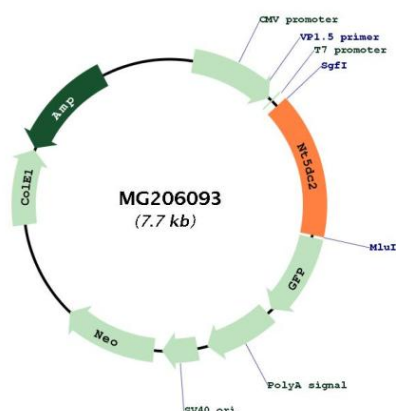
RefSeq Size: 1435 bp

RefSeq ORF: 1172 bp

Locus ID: 70021

Cytogenetics: 14 B

Product images:



Circular map for MG206093