

Product datasheet for **RG211087**

NT5DC1 (NM_152729) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NT5DC1 (NM_152729) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NT5DC1
Synonyms:	C6orf200; LP2642; NT5C2L1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG211087 representing NM_152729
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCTCAGCACTTCTCCCTGGCCGCTGCGACGTGGTCGGATTGACCTGGACCACACTCTGTGTCGCT
 ACAACCTGCCCGAGAGCGCCCGCTCATTATAATAGCTTTGCCAGTTCCTAGTTAAGGAGAAAGGGTA
 CGATAAGGAATTGCTCAATGTGACCCAGAGGATTGGGATTTCTGTTGCAAAGTTTGGCATTGGATCTA
 GAAGATGGGAACCTCCTTAAACTTGCAAATAATGGCACTGTTCTCAGGGCAAGCCATGGCACCAAGATGA
 TGACTCCAGAGGTGCTGGCAGAGGCATATGGCAAGAAAGAGTGGAAAGCACTTCTGTGCGGACTGGAAT
 GGCTTGCCGCTCAGGAAAGTATTACTTTTACGACAACACTTTGACCTGCCAGGAGCTCTCTGTGTGCC
 AGGGTGGTGGACTATTTAACAAAAGTGAACAATGGTCAAAAAACATTTGATTTTTTGAAGGATATAGTTG
 CTGCTATAACAACAATTATAAAATGTCAGCTTTTAAAGGAAAAGTGTGGAATATATTTCCAGAAAATAAA
 AAGAGATCCAGGCAGATATTTACATAGTTGCTCCTGAATCTGTGAAAAATGGCTTCGACAGCTAAAGAAT
 GCTGGGAAAATCTTCTGTTAATTACCAGTTCTCACAGTGATTACTGTAGACTTCTCTGCGAATATATTC
 TTGGGAATGATTTTACAGACCTTTTGGACATTGTGATTACAAATGCATTGAAGCCTGGTTTCTTCTCCCA
 CTTACCAAGTCAGAGACCTTTCCGGACACTCGAGAATGATGAGGAGCAGGAGGCACTGCCATCTCTGGAT
 AAACCTGGCTGGTACTCCAAGGAAACGCTGTCCACCTCTATGAACTTCTGAAGAAAATGACTGGCAAAAC
 CTGAACCAAGGTTGTTTATTTTGGTGACAGCATGCATTAGATATTTCCAGCTCGTCACTATAGTAA
 TTGGGAGACAGTCTCATCTGGAAGAAGTCAAGGGGATGAAGGCAGGAGTCAAGGAGGCTGAGGAG
 TCAGAGCCTCTAGAGAAGAAAGGAAAATATGAGGGACCAAAAGCAAAACCTTTAAATACTTCATCTAAAA
 AATGGGGCTCTTTTTTTATTGATTCAGTTTGGGACTGGAAAATACAGAAGACTCCTTGGTTTATACATG
 GTCTTGTAAAGAAATCAGTACTTACAGCACTATTGCAATTCCAAGTATTGAAGCAATCGCAGAATTACCT
 CTGGACTACAAATTTACAAGATTCTCTCAAGCAATCAAAAAACAGCTGGCTACTATCCAATCCTCCAC
 TGGTCTTATCAAGTGATGAGACTGATATCCAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG211087 representing NM_152729
 Red=Cloning site Green=Tags(s)

MAQHFLAACDVVGFDLHTLCRYNLPESAPLIYNSFAQFLVKEKGYDKELLNVTPEDWDFCCKGLALDL
 EDGNFLKLANNGTVLRASHGKMMTPEVLAEAYGKKEWKHFLSDTGMACRSGKYFYDNYFDLPGALLCA
 RVVDYLTKLNNGQKTFDFWKDIVAAIQHNYKMSAFKENCIGIYFPEIKRDPGRYLHSCPESVKKWLRQLKN
 AGKILLITSSHSYCRLLCEYILGNDFDLFDIVITNALKPGFFSHLPSQRPFRLENDEEQEALPSLD
 KPGWYSQGNVHLYELLKKMTGKPEPKVVFYGDMSHSDIFPARHYSNWETVLIIEELRGDEGTRSQRPEE
 SEPLEKKGYEGPKAKPLNTSSKKWGSFFIDSVLGLENTEDSLVYTWSCKRISTYSTIAIPISEIAIELP
 LDYKFRTRFSSNSKTAGYYPNPPLVLSSEDETLISK

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_152729

ORF Size: 1365 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_152729.3](#)

RefSeq Size: 3193 bp

RefSeq ORF: 1368 bp

Locus ID: 221294

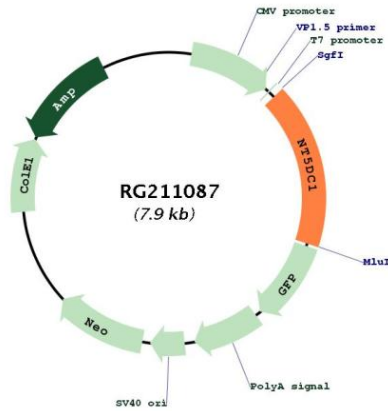
UniProt ID: [Q5TFE4](#)

Cytogenetics: 6q22.1

Gene Summary:

While the exact function of the protein encoded by this gene is not known, it belongs to the 5'(3')-deoxyribonucleotidase family. [provided by RefSeq, May 2010]

Product images:



Circular map for RG211087