

Product datasheet for **RG217321**

DTX4 (NM_015177) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DTX4 (NM_015177) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DTX4
Synonyms:	RNF155
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG217321 representing NM_015177
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTCCTGGCCTCGGCCGTGGTGGTCTGGGAATGGCTGAACGAGCACGGCCGCTGGCGTCCCTACAGCC
 CAGCGGTGAGCCACCACATCGAGGCGGTGGTCCGCGCCGCCCGCCGCGGGGGGCAGCGTGGTGCCTGGG
 CCAGGTGGACAGCCGCTCTCGCGCCCTACATCATCGACCTGCAGTCCATGAACCAGTTCGCCCAAGACAGC
 GGAAGTCTCCGCCAGTTCGCGCAACTACTACGACCCCTCCTCGGCCCTGGGAAGGGCGTGGTGTGGG
 AGTGGGAGAACGACAATGGCTCCTGGACGCCCTACGACATGGAAGTGGGCATCACCATCCAGCATGCCTA
 TGAGAAGCAGCACCCCTGGATCGACCTCACTTCCATTGGCTTTAGCTACGTAATTGACTTCAACACCATG
 GGCCAGATCAACCGTCAGACCCAGCGCCAACGCCGCGTCCGCCGGCGCTCGACCTCATCTACCCCATGG
 TCACAGGGACCTTGCCCTAAGGCTCAGTCTGGCCAGTCAGCCCTGGGCCAGCCACCTCGCCCCCATGTC
 CCCCTGCTCCTGTCCCCAGTGTGTCTTGGTGATGAGTGTAAAGGCAGCCGTGGTCAATGGCAGCACTGGG
 CCCTACAGTGGCAGTACCCGCAAGAACATGCCGCCTCCTGGAGTGGTCAAGTACCCCCACTGCCAG
 GCTCTGGGGCCAAGCCACTGGACAGCACAGGCACCATTCGAGGCCCACTGAAGACCGCCCCATCGCAGGT
 GATCCGGAGACAAGCCTCCAGCATGCCACTGGGACAACCATGGGCTCTCCTGCCAGTCCCCAGGACCC
 AACAGCAAAGACCGGAAGGGTGGCCCTGGCCACCTTGAATCGTACCAACCTGCAGCGACTGGCCATTGCC
 AGTCCCGGGTGTGATCGCCTCTGGGGTCCCCACAGTCCAGTGAAGAACCTAAATGGGTCCAGTCTGT
 CAACCTGCCTTGGCAGGAATCACTGGGATCCTCATGAGTGCAGCGGGGTGCCTGTGTGTCTCACCAGG
 CCACCAAAGCTGGTCTACACCCACCCCGTCAGCAAGAGTGAATAAAATCCATCCCAGGGGTTTCCA
 ACACAAGCCGCAAGACCACCAAAAAACAAGCCAAGAAAGTAAAACCCAGAGGAAGTGTAAAAAATA
 TCTACAGAAAGTCCGGCACCCACCATGAGGACTGCACCATCTGTATGGAACGCCCTACGGCCCCCTCA
 GGCTACAAGGGCCCGCAGCCTACGGTAAAACTGACCTGGTAGGGAAGCTGTCCAGATGCGGCCACGTCT
 ACCACATCTACTGCTTGGTTGCCATGTACAACAATGGGAACAAGGATGGAAGTTTGCAGTGTCCAACCTG
 CAAGACCATTTATGGGGTGAAGACAGGCACCCAACCTCCAGGGAAGATGGAGTACCACCTCATCCCCAC
 TCCTTGCCTGGCCACCCAGACTGCAAAACCATCCGGATCATCTACAGCATCCCCCGGCATTCCAGGAC
 CGGAACACCCGAATCCTGGGAAGAGTTTACGCGCCGAGGCTTCCACGACACTGTTACCTTCCGGACAG
 CGAAGAAAGGAGAAAAGTTCTGAAGCTGCTGCTCGTGGCCTGGGATCGCCGCCTATTTTGGCATTGGC
 ACCTCCAGCACCCAGGGGAGTCAAGACCCGTCATCTGGAATGAGGTCCACCACAAGACAGAGTTTGGCT
 CTAATCTCACTGGCCATGGCTACCCAGATGCCAATTACCTGGATAATGTGCTGGCTGAAGTGGCTGCCCA
 GGGCATCTCTGAGGACAGCACTGCCCAGGAGAAGGAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG217321 representing NM_015177
 Red=Cloning site Green=Tags(s)

MLLASAVVWELNEHGRWRPYPSPAVSHHIEAVVRAGPRAGGSVVLGQVDSRLAPYIIDLQSMNQFRQDT
 GTLRPVRRNYDPSSAPGKGVVWVWENDNGSWTPYDMEVGITIQHAYEKQHPWIDLTSIGFSYVIDFNMT
 GQINRQTQRQRRVRRRLDIYPMVTGTLPKAQSWPVSPPATSPPMSPCSCPQCVLMSVKAAVVNGSTG
 PLQLPVTRKNMPPPGVVKLPPLPGSGAKPLDSTGTRGPKTAPSVQVIRQASSMPTGTTMGSPASPPGP
 NSKTGRVALATLNRTNLQRLAIAQSRVLIASGVPTVPVKNLNGSSPVNPALAGITGILMSAAGLPVCLTR
 PPKLVLHPPPVSKSEIKSIPGVSNTRKTTKKQAKKGTPEEVLKYLQVVRHPPDEDCTICMERLTAPS
 GYKGPQPTVKPDLVGKLSRSGHYVYIYCLVAMYNNNGKDGSLQCPTCKTIYGVKGTQPPGKMEYHLIPH
 SLPGHPDCKTIRIYIYIPPGIQGPEHPNPGKFSARGFPRHCYLPDSEKGRKVLKLLLVAVDRRLIFAIG
 TSSTTGESDVTIWNVHHKTEFGSNLTGHGYPDANYLDNVLAELAAQGISDSTAQEKD

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_015177

ORF Size: 1857 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

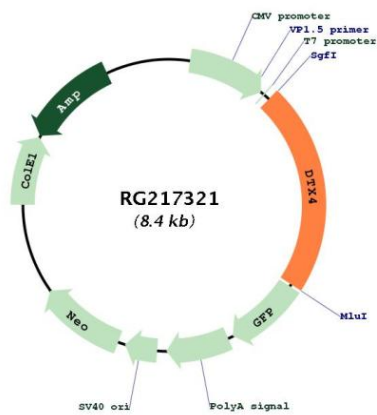
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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_015177.2](#)

RefSeq Size:	5795 bp
RefSeq ORF:	1860 bp
Locus ID:	23220
UniProt ID:	Q9Y2E6
Cytogenetics:	11q12.1
Protein Families:	Druggable Genome
Protein Pathways:	Notch signaling pathway
Gene Summary:	Regulator of Notch signaling, a signaling pathway involved in cell-cell communications that regulates a broad spectrum of cell-fate determinations (By similarity). Functions as a ubiquitin ligase protein in vivo, mediating 'Lys48'-linked polyubiquitination and promoting degradation of TBK1, targeting to TBK1 requires interaction with NLRP4.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG217321