

## Product datasheet for **RG237645**

### DTX3 (NM\_001286245) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DTX3 (NM_001286245) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DTX3
Synonyms:	deltex3; RNF154
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237645 representing NM_001286245. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCAATTCTAAGCTCTTCAGGATCAAAAATGGCAGCCTGTGGAGGCACCTGCAAGAACAAAGTGACT
GTGTCCAAGCCCGTGTGGGACTTCTGAGCAAAGAGACCCAGCCCGGCTGGCCCGGCTTCGGGAGGAG
CACCGTGTGTCCATCCTCATAGATGGCGAGACTTCTGACATCTATGTTCTCCAGCTTTCCACAGGGT
CCTCCCCGGCCCTCCAAATGGGCTCTACCTAGCCCGGAAGGCTCTCAAGGGGCTGCTAAAAGAGGCA
GAGAAAGAGCTGAAGAAAGCTCAGAGGCAGGGGAGCTGATGGGCTGCCTGGCTCTGGGGGTGGAGGG
GAGCACCTGAGATGCACCGCGCAGGCCACCCCTCTCCGAGCAGCCCACTTCTGCCCCAGGAGCT
CGGGGGCTCCCCCTCCTCCTCCCCCCTGCCCCACCTTCTCCTCCTCGCCTTCGGGAGGAGGCAGAA
GAGCAGGAGAGCACCTGCCCATCTGTCTGGGGGAGATCCAGAATGCCAAGACATTGGAGAAGTGCCGG
CATTATTCTGCGAGGGCTGCATCACCCGGGCTCTGCAGGTGAAAAAGGCCTGCCCATGTGCGGCCGC
TTCTATGGGCAGCTGGTGGGCAACCAGCCCAAGATGGGCGGATGCTGGTCTCTAAGGACGCCACCTC
CTACTGCCAGCTATGAGAAGTACGGCACCATTTGTCATCCAGTACGTCTTCCCGCCGGTGTCCAGGGG
GCTGAACACCCAAACCCAGGAGTTCGGTATCCTGGCACCACACGGGTGGCCTACCTCCGGACTGCCCT
GAGGGCAACAAGGTGCTGACCTGTTCCGCAAGGCGTTTGACCAGCGTCTCACCTTCACTATCGGCAGC
TCCATGACCACAGGGAGACCGAATGTCACTACCTGGAACGACATCCACCACAAGACCAGCTGCACAGGG
GGACCCAGCTGTTGGGTACCCAGACCCACCTACCTGACCCGGGTGCAAGAGGAGCTGAGAGCGAAG
GGTATCACAGATGAC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



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**Protein Sequence:** >Peptide sequence encoded by RG237645  
 Blue=ORF Red=Cloning site Green=Tag(s)

MPILSSSGSKMAACGGTCKNKVTVSKPVWDFLSKETPARLARLREEHRVSIIDGETSDIYVLQLSPQG  
 PPPAPPNGLYLARKALKGLLKEAEKELKKAQRQGLMGCLALGGGGEHPMHRAGPPPLRAAPLLPPGA  
 RGLPPPPPLPPPLPPRLREEAEQEESTCPICLGEIQNAKTLEKCRHSFCEGCITRALQVKKACPMCGR  
 FYGQLVGNQPQNGRMLVSKDATLLLLPSYEKYGTIVIYVFPFVQGAEHPNPGVRYPGTTRVAYLPDCP  
 EGNKVLTLFRKAFDQRLTFTIGTSMTTRPNIWTDIHHKTSCTGGPQLFGYDPPTYLTRVQEELRAK  
 GITDD  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001286245

**ORF Size:** 1050 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.

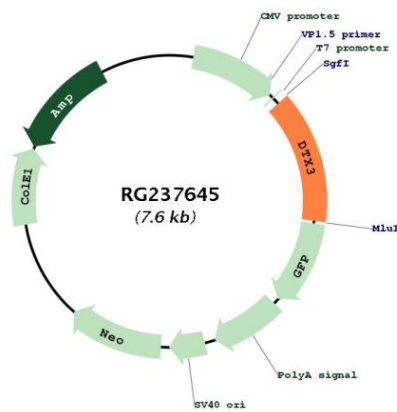
**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**RefSeq:** [NM\\_001286245.2](#)

**RefSeq Size:** 2062 bp

RefSeq ORF: 1053 bp  
 Locus ID: 196403  
 UniProt ID: [Q8N9I9](#)  
 Cytogenetics: 12q13.3  
 Protein Families: Druggable Genome  
 Protein Pathways: Notch signaling pathway  
 MW: 38.6 kDa  
 Gene Summary: DTX3 functions as an E3 ubiquitin ligase (Takeyama et al., 2003 [PubMed 12670957]).  
 [supplied by OMIM, Nov 2009]

**Product images:**



Circular map for RG237645