

Product datasheet for **RG237620**

DTX3 (NM_001286246) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DTX3 (NM_001286246) 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:	>RG237620 representing NM_001286246. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCGTTTCGTCTGTCCAGAATGGCAGCCTGTGGAGGCACCTGCAAGAACAAGTACTGTGTCCAAG
CCCGTGTGGGACTTCTGAGCAAAGAGACCCAGCCCGGCTGGCCCGGCTTCGGGAGGAGCACCGTGTG
TCCATCCTCATAGATGGCGAGACTTCTGACATCTATGTTCTCCAGCTTCCCCACAGGTCTCCCCCG
GCCCTCCAAATGGGCTCTACCTAGCCCGAAGGCTCTCAAGGGGCTGCTAAAAGAGGCAGAGAAAGAG
CTGAAGAAAGCTCAGAGGCAGGGGAGCTGATGGGCTGCCTGGCTCTGGGGGTGGAGGGGAGCACCT
GAGATGCACCGCGCAGGCCACCCCTCTCCGAGCAGCCCACTTCTGCCCCAGGAGCTCGGGGGCTC
CCCCCTCCTCCTCCCCCTGCCCCACCTCTTCTCCTCGCCTTCGGGAGGAGGCAGAAGAGCAGGAG
AGCACCTGCCCATCTGTCTGGGGGAGATCCAGAATGCCAAGACATTGGAGAAGTGCCGGCATTCTTC
TGCGAGGGCTGCATCACCCGGGCTCTGCAGGTGAAAAAGGCTGCCCATGTGCGGCCGCTTCTATGGG
CAGCTGGTGGGAACAGCCCAAGAAATGGGCGGATGCTGGTCTCTAAGGACGCCACCTCCTACTGCC
AGCTATGAGAAGTACGGCACCATTGTATCCAGTACGTCTTCCGCCCCGTGTCCAGGGGCTGAACAC
CCAAACCCAGGAGTTCGGTATCCTGGCACCACAGGGTGGCTACCTCCCGACTGCCCTGAGGGCAAC
AAGGTGCTGACCCTGTTCCGCAAGGCGTTTGACCAGCGTCTCACCTTCACTATCGGCACGTCCATGAC
ACAGGGAGACCGAATGTATCACCTGGAACGACATCCACCACAAGACCAGCTGCACAGGGGACCCAG
CTGTTTGGGTACCCAGACCCACCTACCTGACCCGGGTGCAAGAGGAGCTGAGAGCGAAGGGTATCACA
GATGAC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237620
 Blue=ORF Red=Cloning site Green=Tag(s)

MSFVLSRMAACGGTCKNKVTVSKPVWDFLSKETPARLARLREEHRVSILIDGETSDIYVLQLSPQGPPP
 APPNGLYLARKALKGLLKEAEKELKKAQRQELMGCLALGGGGEHPMHRAGPPPLRAAPLLPPGARGL
 PPPPPPLPPPLPRLREEAEEQESTCPICLGEIQNAKLEKCRHSFCEGCITRALQVKKACPMCGRFYG
 QLVGNQPQNGRMLVSKDATLLLLPSYEKYGTIVIQYVFPVQGAHPNPGVRYPGTTRVAYLPDCPEGN
 KVLTLFRKAFDQRLFTTIGTSMTTGRPNVITWNDIHHKTCTGGPQLFGYPDPTYLTRVQEELRAKGIT
 DD
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001286246

ORF Size: 1041 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.

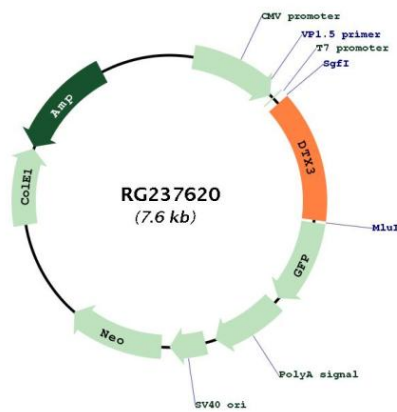
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

RefSeq: [NM_001286246.2](#)

RefSeq Size: 2081 bp

RefSeq ORF:	1044 bp
Locus ID:	196403
UniProt ID:	<u>Q8N9I9</u>
Cytogenetics:	12q13.3
Protein Families:	Druggable Genome
Protein Pathways:	Notch signaling pathway
MW:	38.4 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 RG237620