

## Product datasheet for RC237620

### DTX3 (NM\_001286246) Human Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: DTX3 (NM\_001286246) Human Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: DTX3  
 Synonyms: deltex3; RNF154  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 ORF Nucleotide Sequence: >RC237620 representing NM\_001286246  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGTGCTTCGTCCTGTCCAGAATGGCAGCCTGTGGAGGCACCTGCAAGAACAAGTGACTGTGTCCAAGC  
 CCGTGTGGGACTTCCTGAGCAAAGAGACCCAGCCGGCTGGCCCGCTTCGGGAGGAGCACCGTGTGTC  
 CATCCTCATAGATGGCGAGACTTCTGACATCTATGTTCTCCAGCTTCCCCACAGGGTCTCCCCGGCC  
 CCTCCAAATGGGCTCTACCTAGCCCGGAAGGCTCTCAAGGGGCTGCTAAAAGAGGCAGAGAAAGAGCTGA  
 AGAAAGCTCAGAGGCAGGGGAGCTGATGGGCTGCCTGGCTCTGGGGGTGGAGGGGAGCACCTGAGAT  
 GCACCGCGCAGGCCACCCCTCTCCGAGCAGCCCACTTCTGCCCCAGGAGCTCGGGGGTCCCCCT  
 CCTCCTCCCCCTGCCCCACCTTCTCCTCCTCGCCTTCGGGAGGAGGCAGAAGAGCAGGAGAGCACCT  
 GCCCATCTGTCTGGGGGAGATCCAGAAATGCCAAGACATTGGAGAAGTGCCGGCATTCTTCTGCGAGGG  
 CTGCATCACCCGGGCTCTGCAGGTGAAAAGGCCTGCCCCATGTGCGGCCGTTCTATGGGCAGCTGGT  
 GGCAACCAGCCCCAGAAATGGGCGGATGCTGGTCTCTAAGGACGCCACCTCCTACTGCCAGCTATGAGA  
 AGTACGGCACCATTTGTCATCCAGTACGTTCCCGCCGGTGTCCAGGGGGTGAACACCCAAACCAGG  
 AGTTCGGTATCCTGGCACACACGGGTGGCCTACCTCCCGACTGCCCTGAGGGCAACAAGGTGCTGACC  
 CTGTTCCGCAAGGCGTTTGACCAGCTCTCACCTTCACTATCGGCACGTCCATGACCACAGGAGACCGA  
 ATGTCATCACCTGGAACGACATCCACCACAAGACCAGTGCACAGGGGGACCCAGCTGTTTGGGTACCC  
 AGACCCACCTACCTGACCCGGGTGCAAGAGGAGCTGAGAGCGAAGGGTATCACAGATGAC

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC237620 representing NM\_001286246  
Red=Cloning site Green=Tags(s)

MSFVLSRMAACGGTCKNKVTVSKPVWDFLSKETPARLARLREEHRVSILIDGETSDIYVLQLSPQGGPPPA  
 PPNGLYLARKALKGLLKEAEKELKKAQRQELMGCLALGGGHEPEMHRAGPPPLRAAPLLPPGARGLPP  
 PPPPLPPPLPRLREEAEEQESTCPICLGEIQNAKTLEKCRHSFCEGCITRALQVKKACPMCGRFYGLV  
 GNQPQNGRMLVSKDATLLLLPSYEKYGTIVIQYVFPVGGVQAEHPNPGVRYPGTTRVAYLPDCPEGNKVLT  
 LFRKAFDQRLFTIGTSMTTGRPNVITWNDIHHKTSCTGGPQLFGYPDPTYLTRVQEELRAKGITDD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

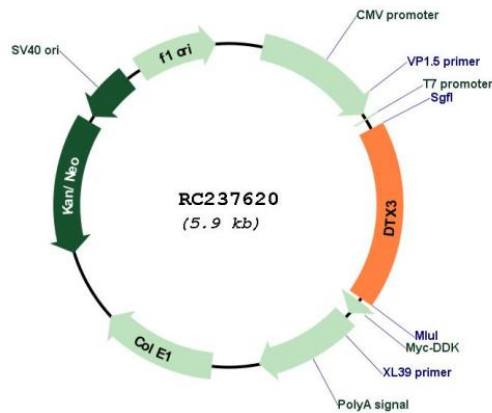
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001286246

**ORF Size:** 1041 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001286246.2</a>
<b>RefSeq Size:</b>	2081 bp
<b>RefSeq ORF:</b>	1044 bp
<b>Locus ID:</b>	196403
<b>UniProt ID:</b>	<a href="#">Q8N9I9</a>
<b>Cytogenetics:</b>	12q13.3
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Notch signaling pathway
<b>MW:</b>	38.4 kDa
<b>Gene Summary:</b>	DTX3 functions as an E3 ubiquitin ligase (Takeyama et al., 2003 [PubMed 12670957]). [supplied by OMIM, Nov 2009]