

Product datasheet for **RC237645**

DTX3 (NM_001286245) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DTX3 (NM_001286245) 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: >RC237645 representing NM_001286245
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCAATTCTAAGCTCTTCAGGATCAAAAATGGCAGCCTGTGGAGGCACCTGCAAGAACAAGTGACTG
TGTCGAAGCCCGTGTGGACTTCTGAGCAAAGAGACCCAGCCCGGCTGGCCCGCTTCGGGAGGAGCA
CCGTGTGTCCATCCTCATAGATGGCGAGACTTCTGACATCTATGTTCTCCAGCTTCCCCACAGGGTCT
CCCCCGCCCTCCTCAAAATGGGCTCTACCTAGCCCGGAAGGCTCTCAAGGGGCTGCTAAAAGAGGCAGAGA
AAGAGCTGAAGAAAGCTCAGAGGCAGGGGAGCTGATGGGCTGCCTGGCTCTGGGGGTGGAGGGGAGCA
CCCTGAGATGCACCGCGCAGGCCACCCCTCTCCGAGCAGCCCACTTCTGCCCCAGGAGCTCGGGG
CTCCCCCTCCTCCTCCCCCTGCCCCACCTTCTCCTCGCCTTCGGGAGGAGGCAGAAGAGCAGG
AGAGCACCTGCCCATCTGTCTGGGGGAGATCCAGAATGCCAAGACATTGGAGAAGTGCCGGCATTCTATT
CTGCGAGGGTGCATCACCCGGGCTCTGCAGGTGAAAAGGCCTGCCCATGTGCGGCCGCTTCTATGGG
CAGCTGGTGGCAACAGCCCAAGAAATGGGCGGATGCTGGTCTTAAGGACGCCACCTCCTACTGCCCA
GCTATGAGAAGTACGGCACCATTTGTCATCCAGTACGTCTCCCGCCGGTGTCCAGGGGCTGAACACCC
AAACCCAGGAGTTCGGTATCCTGGCACACACGGGTGGCCTACCTCCCGACTGCCCTGAGGGCAACAAG
GTGCTGACCCTGTTCCGCAAGGCGTTTGACCAGCGTCTCACCTTCACTATCGGCACGTCCATGACCACAG
GGAGACCGAATGTCATCACCTGGAACGACATCCACCACAAGACCAGCTGCACAGGGGACCCAGCTGTT
TGGGTACCCAGACCCACCTACCTGACCCGGTGAAGAGGAGCTGAGAGCGAAGGGTATCACAGATGAC

ACGGTACGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237645 representing NM_001286245
Red=Cloning site Green=Tags(s)

MPILSSSGSKMAACGGTCKNKVTVSKPVWDFLSKETPARLARLREEHRVSIIDGETSDIYVLQLSPQGP
 PPAPPNGLYLARKALKGLLKEAEKELKKAQRQGELMGCLALGGGGEHPMHRAGPPPLRAAPLLPPGARG
 LPPPPPLPPPLPPRLREEAEEQESTCPICLGEIQNAKTLEKCRHSFCEGCITRALQVKKACPMCGRFYG
 QLVGNQPQNGRMLVSKDATLLLPSYEKYGTIVIQYVFPVQVQAEHPNPGVRYPGTTRVAYLPDCPEGNK
 VLTLFRKAFDQRLTFTIGTSMTTGRPNVITWNDIHHKTSCTGGPQLFGYDPPTYLTRVQEELRAKGITDD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

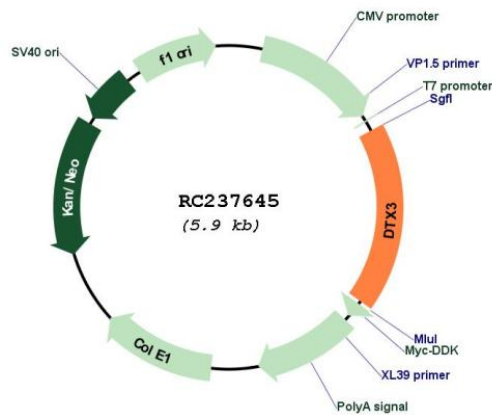
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



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).
Reconstitution Method:	<ol style="list-style-type: none">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_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]