

Product datasheet for **RG211458**

DTX3 (NM_178502) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DTX3 (NM_178502) 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:	>RG211458 representing NM_178502 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGTTTCGTCCTGTCCAGAATGGCAGCCTGTGGAGGCACCTGCAAGAACAAGTGACTGTGTCCAAGC
CCGTGTGGGACTTCCTGAGCAAAGAGACCCAGCCGGCTGGCCCGGCTTCGGGAGGAGCACCGTGTGTC
CATCCTCATAGATGGCGAGACTTCTGACATCTATGTTCTCCAGCTTCCACAGGGTCTCCCCCGGCC
CCTCCAAATGGGCTCTACCTAGCCCGGAAGGCTCTCAAGGGCTGCTAAAAGAGGCAGAGAAAGAGCTGA
AGAAAGCTCAGAGGCAGGGGAGCTGATGGGCTGCCTGGCTCTGGGGGTGGAGGGGAGCACCTGAGAT
GCACCGCGCAGGCCACCCCTCTCCGAGCAGCCCACTTCTGCCCCAGGAGCTCGGGGCTCCCCCT
CCTCCTCCCCCTGCCCCACCTTCTCCTCGCCTTCGGGAGGAGCAGAAGAGCAGGAGAGCACCT
GCCCCATCTGTCTGGGGGAGATCCAGAATGCCAAGACATTGGAGAAGTGCCGGCATTCACTTCTGCGAGGG
CTGCATCACCCGGCTCTGCAGGTGAAAAGGCCTGCCCATGTGCGGCCGCTTCTATGGGAGCTGGT
GGCAACCAGCCCCAGAATGGGCGGATGCTGGTCTTAAGGACGCCACCTCCTACTGCCAGCTATGAGA
AGTACGGCACCATTGTATCCAGTACGTCTCCCGCCGGTGTCCAGGGGCTGAACACCCAAACCCAGG
AGTTCGGTATCCTGGCACCACACGGGTGGCTACCTCCCGGACTGCCCTGAGGGCAACAAGGTGCTGACC
CTGTTCCGCAAGGCGTTTGACCAGCGTCTACCTTCACTATCGGCACGTCATGACCACAGGGAGACCGA
ATGTCATCACCTGGAACGACATCCACCACAAGACCAGCTGCACAGGGGGACCCAGCTGTTGGGTACCC
AGACCCACCTACCTGACCCGGGTGCAAGAGGAGCTGAGAGCGAAGGGTATCACAGATGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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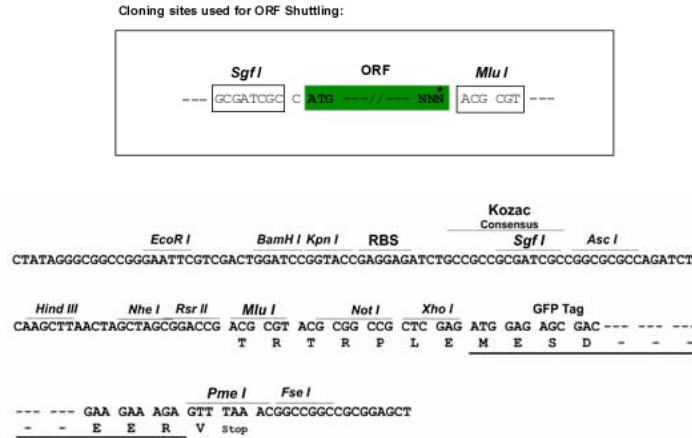
Protein Sequence: >RG211458 representing NM_178502
 Red=Cloning site Green=Tags(s)

MSFVLSRMAACGGTCKNKVTVSKPVWDFLSKETPARLARLREEHRVSILIDGETSDIYVLQLSPQGPPPA
 PPNGLYLARKALKGLLKEAEKELKKAQRQGLMGCLALGGGGEHPMHRAGPPPLRAAPLLPPGARGLPP
 PPPPLPPPLPRLREEAEEQESTCPICLGEIQNAKTLEKCRHSFCEGCITRALQVKKACPMCGRFYGLV
 GNQPQNGRMLVSKDATLLLLPSYEKYGTIVIQYVFPQVQAEHPNPGVRYPGTTRVAYLPDCPEGNKVL
 LFRKAFDQRLFTIGTSMTTGRPNVITWNDIHHKTSCTGGPQLFGYPDPTYLTRVQEELRAKGITDD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_178502

ORF Size: 1041 bp

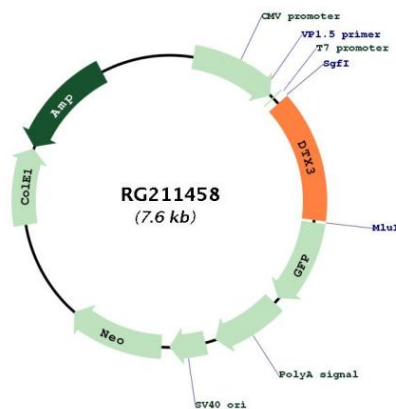
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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).

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_178502.4
RefSeq Size:	2029 bp
RefSeq ORF:	1044 bp
Locus ID:	196403
UniProt ID:	Q8N9I9
Cytogenetics:	12q13.3
Protein Families:	Druggable Genome
Protein Pathways:	Notch signaling pathway
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 RG211458