

Product datasheet for **SC316953**

DTX2 (NM_001102595) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DTX2 (NM_001102595) Human Untagged Clone
Tag:	Tag Free
Symbol:	DTX2
Synonyms:	RNF58
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC316953 representing NM_001102595.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGCCATGGCCCAAGCCCTTCCCTGGTGCAGGTGTACACCAGCCCCGGGCTGTGGCCGTGTGGGAA
TGGCAGGACGGCTGGCACCTGGCACCCCTACAGTGCCACCCGCTGCAGCTTCATCGAGCAGCAGTTT
GTCCAGCAGAAGGGCCAACGTTTTGGGCTTGGGAGCCTGGCCACAGCATCCCTTGGGCCAGGCAGAC
CCCTCGCTGGCCCTTACATTATTGACCTCCCCAGCTGGACCCAGTTCGCCAGGACACCCGGCACCATG
CGGGCTGTGCGGAGACACTGTTCCCCAGCACTAGCCCTGGCCGAGGTGTCTGTGGGAGTGGCTG
AGCGACGATGGCTCCTGGACTGCCTATGAAGCCAGCGTCTGTGACTATCTGGAGCAGCAGGTGGCCAGG
GGCAACCAGCTCGTGGACTTGGCCCCCTGGGGTACAACACTACTGTCAACTACACCACCACACGCAG
ACCAACAAGACTTCCAGTTCTGCCGACGCTGCGGCCAAGCAGGGCCGCCTTACCCGGTGACCACC
ATCATCGCTCCGCCGGCCACACAGGCGTGCCTGCTCTTGCCACCAGTGCCTCAGTGGCAGCAGAAT
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CCACACAGGACCGCTTCTGTGTTTGGGACCCACAGGCCTTGCACCGTACAACAACCCTCACTCTCC
GGGGCCCGGTCTGCGCCAGGCTGAACACCACCAACGCCTGGGGCGCAGCTCCTCCTTCCCTGGGGAGC
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GGTGCAGTCAGTGCTCCCTCCCCAGCGGTCCCTCAAGCAGCCCAGGGAGCGTCCCTGCCACTGTGCC
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ATTGGACTCCCTGTGTCTTAGCCGCGCACCCAGCCCAGCCCTCCCGCTCCCGTCTGGCTTCC
AAAAGTCACGGCTCAGTTAAGAGATTGAGGAAAATGTCCGTGAAAGGAGCGACCCCGAAGCCAGAGCCA
GAGCCAGAGCAGGTCAAAAAACTACACGGAAGAGCTGAAAGTGCCCCAGATGAGGACTGCATCATC
TGATGGAGAAGCTGTCCACAGCGTCTGGATACAGCGATGTGACTGACAGCAAGGCAATCGGGTCCCTA
GCTGTGGGCCACCTACCAAGTGACGCCATGCCTTCCACCTGCTGTGCCTCCTGGCCATGTACTGCAAC
GGCAATAAGGATGGAAGTCTGCAGTGTCCCTCCTGCAAAAACCATCTATGGAGAGAAGACGGGACCCAG
CCCCAGGGAAGATGGAGGTATTACGGTTCAGATGTCTGCTCCCCGGCCACGAGGACTGCGGGACCATC
CTCATAGTTTACAGCATTCCCCATGGTATCCAGGGCCCTGAGCACCCCAATCCCGAAAGCCGTTCACT
GCCAGAGGGTTTCCCCGCCAGTGTACCTTCCAGACAACGCCAGGGCCGCAAGGTCTAGAGCTCTG
AAGGTGGCTGGAAGAGGCGGCTCATCTTACAGTGGGCAGTCCAGCACACGGGTGAGACGGACACC
GTGGTATGGAACGAGATCCACCACAAGACAGAGATGGACCACAATTACGGGCCAGGCTATCCCGAC
CCCAACTACCTGCAGAACGTGCTGGCTGAGCTGGCTGCCAGGGGTGACCGAGGACTGCCTGGAGCAG
CAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

Plasmid Map:

ACCN: NM_001102595

Insert Size: 1869 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_001102595.1</u>
RefSeq Size:	2550 bp
RefSeq ORF:	1869 bp
Locus ID:	113878
UniProt ID:	<u>Q86UW9</u>
Cytogenetics:	7q11.23
Protein Families:	Druggable Genome
Protein Pathways:	Notch signaling pathway
MW:	67.2 kDa
Gene Summary:	<p>DTX2 functions as an E3 ubiquitin ligase (Takeyama et al., 2003 [PubMed 12670957]). [supplied by OMIM, Nov 2009]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR, compared to variant 1, and encodes isoform A. Variants 1-3 encode the same isoform (A).</p>