

Product datasheet for **SC316945**

DTX2 (NM_001102596) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DTX2 (NM_001102596) 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: >SC316945 representing NM_001102596.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCCATGGCCCAAGCCCTCCCTGGTGCAGGTGTACACCAGCCCCGGGCTGTGGCCGTGTGGGAA
TGGCAGGACGGGCTGGCACCTGGCACCCCTACAGTGCCACCGTCTGCAGCTTCATCGAGCAGCAGTTT
GTCCAGCAGAAGGGCCAACGTTTTGGGCTTGGGAGCCTGGCCACAGCATCCCTTGGGCCAGGCAGAC
CCCTCGCTGGCCCTTACATTATTGACCTCCCCAGCTGGACCCAGTTCGCCAGGACACCCGCACCATG
CGGGCTGTGCGGAGACCTGTTCCCCAGCACTAGCCCTGGCCGAGGTGTCTGTGGGAGTGGCTG
AGCGACGATGGCTCCTGGACTGCCTATGAAGCCAGCGTCTGTGACTATCTGGAGCAGCAGGTGGCCAGG
GGCAACCAGCTCGTGGACTTGGCCCCCTGGGGTACAACACTACTGTCAACTACACCACCACACGCAG
ACCAACAAGACTTCCAGCTTCTGCCGACGCTGCGGCCAAGCAGGGCCGCCTTACCCGGTGACCACC
ATCATCGCTCCGCCGGCCACACAGGCGTGCCTGCTCTTGCCACCAGTGCCTCAGTGGCAGCAGAACT
GGCCCCGTGTAGGCCGCTACCGCCACTCCATGACCAACCTCCCTGCATACCCCGTCCCCAGCACCCC
CCACACAGGACCCTTCTGTGTTTGGGACCCACCAGGCCTTTGCACCGTACAACAACCCTCACTCTCC
GGGGCCCGGTCTGCGCCAGGCTGAACACCACCAACGCCTGGGGCGCAGCTCCTCCTTCCCTGGGGAGC
CAGCCCCCTACCGCTCCAGCCTCTCCACCTGGGACCGCAGCACCTGCCCCAGGATCCTCCACCTCC
GGTGCAGTCAGTGCTCCCTCCCCAGCGGTCCCTCAAGCAGCCCAGGGAGCGTCCCTGCCACTGTGCCC
ATGCAGATGCCAAAGCCCAGCAGAGTCCAGCAGGCGCTCGCAGGAGCGACCCGAAGCCAGAGCCAGAG
CCAGAGCAGGTCATAAAAACTACACGGAAGAGCTGAAAGTGCCCCAGATGAGGACTGCATCATCTGC
ATGGGAAGCTGTCCACAGCGTCTGGATACAGCGATGTGACTGACAGCAAGGCAATCGGGTCCCTAGCT
GTGGGCCACCTCACCAAGTGCAGCCATGCCTTCCACCTGCTGTGCCTCTGGCCATGTACTGCAACGGC
AATAAGGATGGAAGTCTGCAGTGCCTCCTGCAAAACCATCTATGGAGAGAAGACGGGGACCCAGCCC
CAGGGAAAGATGGAGGATTACGGTTCCAGATGTGCTCCTCCCGGCCACGAGGACTGCGGGACCATCCTC
ATAGTTTACAGCATTCCCATGTTATCCAGGGCCTGAGCACCCCAATCCCGAAAGCCGTTCACTGCC
AGAGGGTTTCCCGCCAGTGCTACCTTCCAGACAACGCCAGGGCCGCAAGGTCTAGAGCTCCTGAAG
GTGGCCTGGAAGAGGGGCTCATCTTACAGTGGGCACGTCCAGCACCACGGGTGAGACGGACACCGTG
GTATGGAACGAGATCCACCACAAGACAGAGATGGACCGCAACATTACGGGCCACGGCTATCCCGACCCC
AACTACCTGCAGAACGTGCTGGCTGAGCTGGCTGCCAGGGGTGACCGAGGACTGCCTGGAGCAGCAG
TGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
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- Restriction Sites:** SgfI-MluI
- Plasmid Map:** □
- ACCN:** NM_001102596
- Insert Size:** 1728 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:	NM_001102596.1
RefSeq Size:	2138 bp
RefSeq ORF:	1728 bp
Locus ID:	113878
UniProt ID:	Q86UW9
Cytogenetics:	7q11.23
Protein Families:	Druggable Genome
Protein Pathways:	Notch signaling pathway
MW:	62.3 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 (4) lacks an in-frame exon, compared to variant 1, and encodes a shorter isoform (B), compared to isoform A.</p>