

Product datasheet for **SC321670**

DTX2 (NM_020892) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DTX2 (NM_020892) Human Untagged Clone
Tag:	Tag Free
Symbol:	DTX2
Synonyms:	RNF58
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_020892.1
GCGACGCCGAGTTTCACTCTGGCTGCCTTCTCCTGAGAGTCGGAGCCACAGCCAGAGCCC
TGCCCAGGCCGAGCCGGAGCTGCAGCCCAGCGCGGTGGTGCCTCAGCCCCGTCTCTT
GTCCTCTCAGCCTCGGTGCCTTGGAAATTTGTGTGCTGAGTCAGCAAGCCTTTTCAGATT
TGCCCCGTTTTTGTGTTGTGGTTTTGTATCAAGATGGGAACTCAAACAAGTCATTCTC
GATCTGGTACTGTTCTGGAGTGGCCTGTAGCAGACACTGAACCACCAGCCAGCTGCATT
TGTGTCTGGAAGTCATTGCCAACTCTGCCAGTCACACTGGGGTCCCCAAAGAAGTCAA
GATCTGCCGAGGCGCTGGGCAATGACCCCGGACTCCAGGCCAGAGGGGTCTGAAGCTG
TTTGGGAAAGCAGCGGACTCCTTGGGAAGATGGCCATGGCCCCAAGCCCTTCCCTGGTG
CAGGTGTACACCAGCCCCGCGGTGTGGCCGTGTGGAAATGGCAGGACGGGCTGGGCACC
TGGCACCCCTACAGTGCCACCGTCTGCAGCTTCATCGAGCAGCAGTTTGTCCAGCAGAAG
GGCCAACGTTTTGGGCTTGGGAGCCTGGCCACAGCATCCCTTGGGCCAGGCAGACCCC
TCGCTGGCCCTTACATTATTGACCTCCCAGCTGGACCCAGTTCGCCAGGACACCGGC
ACCATGCGGGCTGTGCGGAGACACTGTTCCCCAGCACTCAGCCCTGGCCGAGGTGTC
GTCTGGGAGTGGCTGAGCGACGATGGCTCCTGGACTGCCTATGAAGCCAGCGTCTGTGAC
TATCTGGAGCAGCAGGTGGCCAGGGCAACCAGCTCGTGGACTTGGCCCCCTGGGGTAC
AACTACACTGTCAACTACACCACCCACACGCAGACCAACAAGACTTCCAGCTTTTGCCGC
AGCGTGCAGCCCAAGCAGGGCCGCTTACCCGGTGACCACCATCATCGTCCGCGGGC
CACACAGGCGTCGCTGCTTGGCACCAGTGCCTCAGTGGCAGCAGAATGGCCCCGTG
TCAGGCCGCTACCGCCACTCCATGACCAACCTCCCTGCATACCCCGTCCCCAGCACCCC
CCACACAGGACCGCTTCTGTGTTTGGGACCCACCAGGCCTTGCACCGTACAACAACCC
TCACTCTCCGGGCCCCGGTCTGCGCCAGGCTGAACACCACCAACGCCTGGGGCGCAGT
CCTCCTTCCCTGGGAGCCAGCCCTCTACCGCTCCAGCCTCTCCACCTGGGACCGCAG
CACCTGCCCCAGGATCCTCCACCTCCGGTGCAGTCAGTGCCTCCCTCCCAGCGGTCCC
TCAAGCAGCCCAGGGAGCGTCCCTGCCACTGTGCCATGCAGATGCCAAAGCCCAGCAGA
GTCCAGCAGGCGCTCGCAGGCATGACGAGTGTCTGATGTGAGCCATTGGACTCCCTGTG
TGTCTTAGCCGCGCACCCAGCCACCAGCCCTCCCGCTCCCGTCTGGCTTCCAAAAGT
CACGGCTCAGTTAAGAGATTGAGAAAAATGTCGTGAAAGGAGCGACCCGAAGCCAGAG
CCAGAGCCAGAGCAGGTATAAAAACTACACGGAAGAGCTGAAAGTGCCCCAGATGAG
GACTGCATCATCTGCATGGAGAAGCTGTCCGACGCTCTGGATACAGCGATGTGACTGAC
AGCAAGGCAATCGGGTCCCTAGCTGTGGGCCACCTCACCAAGTGCAGCCATGCCTTCCAC
CTGCTGTGCCTCCTGGCCATGACTGCAACGGCAATAAGGATGGAAGTCTGCAGTGTCCC
TCTTGAAAACCATCTATGGAGAGAAGACGGGGACCCAGCCCCAGGGAAAGATGGAGGTA
TTACGGTTCAGATGTGCTCCCGGCCACGAGGACTGCGGGACCATCCTCATAGTTTAC
AGCATTCCCCATGGTATCCAGGGCCCTGAGCACCCCAATCCCGGAAAGCCGTTCACTGCC
AGAGGGTTTTCCCGCCAGTGCTACCTCCAGACAACGCCAGGGCCGCAAGGTCCTAGAG
CTCCTGAAGGTGGCCTGGAAGAGGCGGCTCATCTTACAGTGGGACGTCAGCACCACG
GGTGAGACGGACACCGTGGTATGGAACGAGATCCACCACAAGACAGAGATGGACCGCAAC
ATTACGGGCCACGCTATCCCGACCCCAACTACCTGCAGAACGTGCTGGCTGAGCTGGCT
GCCAGGGGGTGACCGAGGACTGCCTGGAGCAGCAGTGCCTCGACCCAGCACGCCCG
CCTCTGTTGGCCACCCGCTGCCCATGGCTGGCTGGGTGGCCAGGCAGGAAGTGCCAG
CCCAGAGGCTGGGAGGTTTGTGAGGGTGTGGGGTGTGCCCCACCTGAAGCCGGGGCTC
CCCCTGCCTGCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT
CTCATGGGGCTTAGGATGCAGTACCTCAGTGCAGGCGCCGCTGTCTCTCTGGGGG
TGCTTCGGGCCCGGTGCTCGGGCCTGGTGTGGGGCAGTAGAGACTTCCCAGCCTG
GACGGCGTGGGTTCTGGGTGAGCTTCTTTACCTCAATTTTGTGCAATAAATGCTCT
ATAGCCAAAAAAAAAAAAAAAAA
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Restriction Sites:

Please inquire

ACCN:

NM_020892

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_020892.1 , NP_065943.1
RefSeq Size:	2782 bp
RefSeq ORF:	1869 bp
Locus ID:	113878
UniProt ID:	Q86UW9
Cytogenetics:	7q11.23
Domains:	RING, WWE
Protein Families:	Druggable Genome
Protein Pathways:	Notch signaling pathway
Gene Summary:	DTX2 functions as an E3 ubiquitin ligase (Takeyama et al., 2003 [PubMed 12670957]). [supplied by OMIM, Nov 2009] Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (A). Variants 1-3 encode the same isoform (A).