

Product datasheet for **SC316248**

DTX4 (NM_015177) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DTX4 (NM_015177) Human Untagged Clone
Tag:	Tag Free
Symbol:	DTX4
Synonyms:	RNF155
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

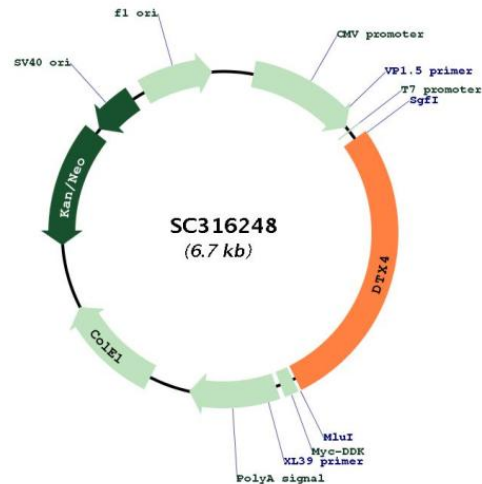


[View online »](#)

Fully Sequenced ORF: >SC316248 representing NM_015177.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGCTCCTGGCCCTCGGCCGTGGTGGTCTGGGAATGGCTGAACGAGCACGGCCGCTGGCGTCCCTACAGC
CCAGCGGTGAGCCACCACATCGAGGCGGTGGTCCGCGCCGCCGCCCGCGCGGGGGGACAGGTGGTGTCTG
GGCCAGGTGGACAGCCGTCTCGCCGCTACATCATCGACCTGCAGTCCATGAACCAGTTCGCGCAAGAC
ACGGGAACCTCCGCCAGTTCGCCGCAACTACTACGACCCCTCCTCGGCCCTGGGAAGGGCGTGGTG
TGGGAGTGGGAGAACGACAATGGCTCCTGGACGCCCTACGACATGGAAGTGGGCATCACCATCCAGCAT
GCCTATGAGAAGCAGCACCCCTGGATCGACCTCACTTCCATTGGCTTTAGCTACGTAATTGACTTCAAC
ACCATGGCCAGATCAACCGTCAGACCCAGCGCCAACGCCGCGTCCGCCGGCGCTCGACCTCATCTAC
CCCATGGTCACAGGGACCTTGCCTAAGGCTCAGTCTGGCCAGTCAGCCCTGGGCCAGCCACCTCGCCC
CCCATGTCCCTGCTCCTGTCCCAGTGTGTCTTGGTGTGAGTGTAAAGCAGCCGTGGTCAATGGC
AGCACTGGGCCCTACAGCTGCCAGTGACCCGCAAGAACATGCCGCTCCTGGAGTGGTCAAGCTACCC
CCACTGCCAGGCTCTGGGGCCAAGCCACTGGACAGCACAGGCACCATTCGAGGCCACTGAAGACCGCC
CCATCGCAGGTGATCCGGAGACAAGCCTCCAGCATGCCACTGGGACAACCATGGGCTCTCTGCCAGT
CCCCCAGGACCCAACAGCAAGACCGGAAGGGTGGCCCTGGCCACCTTGAATCGTACCAACCTGCAGCGA
CTGGCCATTGCCAGTCCCGGTGCTGATCGCCTCTGGGGTCCCCACAGTCCCAGTGAAGAACCTAAAT
GGGTCCAGTCTGTCAACCCTGCCTTGGCAGGAATCACTGGGATCCTCATGAGTGCAGCGGGGCTGCCT
GTGTGTCTACCAGGCCACCAAGCTGGTCTACACCCACCCCGTCAGCAAGAGTGAATAAAATCC
ATCCCAGGGGTTTCCAACACAAGCCGCAAGACCACCAAAAAACAAGCCAAGAAAGTAAAACCCAGAG
GAAGTGTAATAAATATCTACAGAAAGTCCGGCACCCACCAGATGAGGACTGCACCATCTGTATGGAA
CGCCTCACGGCCCCCTCAGGCTACAAGGGCCCGCAGCCTACGGTAAAACCTGACCTGGTAGGGAAGCTG
TCCAGATGCGGCCACGTCTACCACATCTACTGCTTGGTTGCCATGTACAACAATGGGAACAAGGATGGA
AGTTTGCAGTGTCCAACCTGCAAGACCATTTATGGGGTGAAGACAGGCACCCAACCTCCAGGGAAGATG
GAGTACCACCTCATCCCCACTCCTTGCCTGGCCACCCAGACTGCAAAACCATCCGGATCATCTACAGC
ATCCCCCCGGCATTAGGGACCGGAACACCCGAATCCTGGGAAGAGTTTCAGCGCCCGAGGCTTCCCA
CGACACTGTTACCTTCCGGACAGCGAGAAAGGGAGAAAAGTTCTGAAGTGTCTGCTGGCCTGGGAT
CGCCGCTCATTTTTGCCATTGGCACCTCCAGCACACAGGCGAGTCAGACACCGTCATCTGGAATGAG
GTCACCACAAGACAGAGTTTGGCTCTAATCTCACTGGCCATGGTACCCAGATGCCAATTACCTGGAT
AATGTGCTGGCTGAAGTGGCTGCCAGGCATCTCTGAGGACAGCACTGCCAGGAGAAGGACTGAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_015177

Insert Size: 1860 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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 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:

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_015177.1](#)

RefSeq Size: 5795 bp

RefSeq ORF: 1860 bp

Locus ID: 23220

UniProt ID: [Q9Y2E6](#)

Cytogenetics: 11q12.1

Protein Families: Druggable Genome

Protein Pathways: Notch signaling pathway

MW: 67.3 kDa

Gene Summary: Regulator of Notch signaling, a signaling pathway involved in cell-cell communications that regulates a broad spectrum of cell-fate determinations (By similarity). Functions as a ubiquitin ligase protein in vivo, mediating 'Lys48'-linked polyubiquitination and promoting degradation of TBK1, targeting to TBK1 requires interaction with NLRP4.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).