

Product datasheet for **RC208338**

Deltex (DTX1) (NM_004416) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Deltex (DTX1) (NM_004416) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Deltex
Synonyms:	hDx-1; RNF140
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC208338 representing NM_004416
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCACGGCCAGGCCACGGTGGGTGATGCCTGTGAATGGTCTGGGCTCCACCCGAGAACGTGGCCC
 GGGTGGTGGTGTGGGAGTGGCTGAATGAGCACAGCCGCTGGCGGCCCTACACGGCCACCGTGTGCCACCA
 CATTGAGAACGTGCTGAAGGAGGACGCTCGCGGTTCCGTGGTCTGGGGCAGGTGGACGCCAGCTTGTG
 CCCTACATCATCGACCTGCAGTCCATGCACCAGTTTCGCCAGGACACAGGCACCATGCGGCCGTGCGGC
 GCAACTTCTACGACCCGTCGTCGGCGCCGGGAAGGGCATCGTGTGGGAGTGGGAGAACGACGGCGCGC
 ATGGACGGCTACGATATGGACATCTGCATCACCATCCAGAACGCCTACGAGAAGCAGCACCCGTGGCTC
 GACCTCTCATCGTAGGCTTCTGCTACCTCATCTACTTCAACAGCATGTCGCAGATGAACCGCCAGACGC
 GCCGGCGCCGCCCTGCGCCGCCGCTGGACCTCGCCTACCCGCTCACCGTGGGCTCCATCCCTAAGTC
 GCAGTCGTGGCCGTTGGCGCCAGCTCGGGCCAGCCCTGCTCCTGCCAGCAGTGCCTGCTGGTCAACAGC
 ACGCGCGCCGCTCCAACGCCATCCTGGCTCGCAGCGCCGAAGGCGCCCCCGCGCCCCGCTGCCGC
 CGCCGCCGCCACCTGGAGGGCTCCAGGCGCGCTTGGCTGCGCCCCAGCGCCACCTTACAGGGCGCCG
 GCTCTGGGACGCGCCCGCCGCGCCCGCCGAGCCCGCGCCGCTCCCGGGCGCCCCACGGAGCCCG
 GGCGCCCCGGCGGAGCGCGCACCCCGGGCAGAACAACTCAACCGGCCGGGCCCCAGCGCACCA
 GCGTGAGCGCGCGCCCTCCATCCCGCGGGGGTCCCGCACTCCCGGTGAAGAATTGAATGGTACTGG
 GCCGTCCATCCGGCCCTGGCAGGATGACCGGATACTGCTGTGCGCGCCGGGCTGCCCGTGTGCTG
 ACGCGGGCCCCAAGCCATCCTGCACCCGCGCCCGTGAGCAAGAGCGACGTGAAGCCCGTGCCTGGCG
 TGCCCGGGGTGTGCCGAAGACCAAGAAGAAGCACCTTAAAAAGAGTAAGAATCCCGAGGATGTGGTTCG
 AAGATACATGCAGAAGGTGAAAAACCCACTGATGAGGACTGCACCATCTGCATGGAGCGACTGGTCA
 GCATCAGGCTACGAGGGCTGCTTCGGCACAAGGGCTGCGGCCTGAGCTCGTGGCCGCTGGGCGCT
 GTGGCCACATGTACCACCTGCTGTGCCTCGTGGCCATGTACTCCAATGGCAACAAGGATGGCAGCCTGCA
 GTGCCCCACTGCAAGGCCATCTACGGGAGAAGACGGGTACGCAGCCGCTGGGAAGATGGAGTCCAC
 CTCATCCCCACTCGTGCCTGGCTTCCCTGATACCCAGACCATCCGCATCGTCTATGACATCCCCACAG
 GCATCCAGGGCCTGAGCACCCCAACCCGGGAAGAAGTTCACCGCAAGAGGATTCCTCGCCACTGCTA
 TCTACCAACAACGAGAAAGCCGAAGGTGCTGCGGTGCTCATCACGGCTGGGAGAGAAGACTCATC
 TTAATATCGGCACGTCCAACACCAGGGCGAGTGGACACCGTGGTGTGAACGAGATCCACCACAAGA
 CCGAGTTTGGATCCAACCTCACGGGCCACGGCTACCCGGACGCTAGCTACCTAGACAACGTGCTGGCTGA
 GCTCACAGCCAGGGCTATCCGAGGCTGCAGCCAAGGCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC208338 representing NM_004416
 Red=Cloning site Green=Tags(s)

MSRPGHGLMPVNLGFPPQNVARVVVWEWLNHNSRWRPYTATVCHHIENVLKEDARGSVVLGQVDAQLV
 PYIIDLQSMHQFRQDTGTMRPVRRNFYDPSSAPGKGIWVWENDGGAWTAYDMDICITIQNAYEKQHPWL
 DLSSLGFCYLIYFNSMSQMNQRTRRRRLRRLLDAYPLTVGSIPKSQSWPVGASSGQPCSCQCLLVNS
 TRAASNAILASQRRKAPPAPLPPPPPPGGPPGALAVRPSATFTGAALWAAPAAGPAEPAPPPGAPPRSP
 GAPGGARTPGQNNLNRPGPQRTTSVSARASIPPGVPALPVKNLNGTGPVHPALAGMTGILLCAAGLPVCL
 TRAPKPI LHPPPVS KSDVKPVGPVGVCRKTKKKHLKSKNPEDVRRYMQVKVKNPDEDCTICMERLVT
 ASGYEGLRHKGVRPELVGRLGRCGHMYHLLCLVAMYSNGNKDGS LQCPTCKAIYGEKTGTQPPGKMEFH
 LIPHSLPGFPDQTIRIVYDIPTGIQGP EHPNPGKFTARGFPRHCYLPNNEKGRKVLRL LITAWERRLI
 FTIGTSNTTGESD TVVWNEIHHKTEFGSNLTGHGYPDASYLDNVLAE LTAQGVSEAAAAKA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8113_g02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_004416

ORF 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 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:

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_004416.2](#), [NP_004407.2](#)

RefSeq Size: 3317 bp

RefSeq ORF: 1863 bp

Locus ID: 1840

UniProt ID: [Q86Y01](#)

Cytogenetics: 12q24.13

Domains: RING, WWE

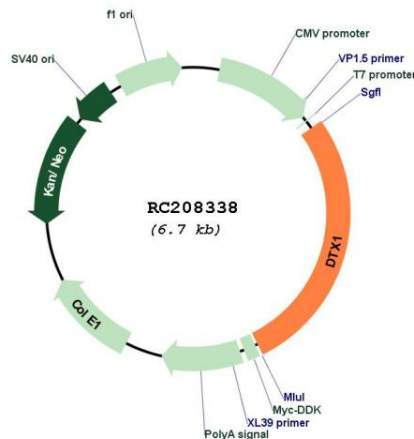
Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: Notch signaling pathway

MW: 67.2 kDa

Gene Summary: Studies in *Drosophila* have identified this gene as encoding a positive regulator of the Notch-signaling pathway. The human gene encodes a protein of unknown function; however, it may play a role in basic helix-loop-helix transcription factor activity. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC208338