

## Product datasheet for **RG208338**

### 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:	TurboGFP
Symbol:	DTX1
Synonyms:	hDx-1; RNF140
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG208338 representing NM\_004416  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTCACGGCCAGGCCACGGTGGGCTGATGCCTGTGAATGGTCTGGGCTTCCACCCGAGAACGTGGCCC  
 GGGTGGTGGTGTGGGAGTGGCTGAATGAGCACAGCCGCTGGCGGCCCTACACGGCCACCGTGTGCCACCA  
 CATTGAGAACGTGCTGAAGGAGGACGCTCGCGGTTCCGTGGTCTCGGGCAGGTGGACGCCAGCTTGTG  
 CCCTACATCATCGACCTGCAGTCCATGCACCAGTTTCGCCAGGACACAGGCACCATGCGGCCCGTGC  
 GCAACTTCTACGACCCGTCGTCGGCGCCGGGAAGGGCATCGTGTGGGAGTGGGAGAACGACGGCGCGC  
 ATGGACGGCTACGATATGGACATCTGCATCACCATCCAGAACGCCTACGAGAAGCAGCACCCGTGGCTC  
 GACCTCTCATCGTAGGCTTCTGCTACCTCATCTACTTCAACAGCATGTCGCAGATGAACCGCCAGACGC  
 GCCGGCGCCGCCCTGCGCCGCCGCTGGACCTCGCTACCCGCTCACCGTGGGCTCCATCCCTAAGTC  
 GCAGTCGTGGCCCGTGGCGCCAGCTCGGGCCAGCCCTGCTCCTGCCAGCAGTGCCTGCTGGTCAACAGC  
 ACGCGCGCCGCTCCAACGCCATCCTGGCTCGCAGCGCCGAAGGCGCCCCCGCGCCCCCGCTGCCGC  
 CGCCGCCGCCACCTGGAGGGCCTCCAGGCGCGCTTGGCTGCGCCCCAGCGCCACCTTACAGGGCGCCG  
 GCTCTGGGACGCGCCCGCCGCGCCCGCCGAGCCCGCGCCGCTCCCGGGGCGCCCCACGGAGCCCG  
 GGCGCCCCCGGGGAGCGCGCACCCCGGGGAGAAACCTCAACCGGCCGGGCCCCAGCGCACCA  
 GCGTGAGCGCGCGCCCTCCATCCCGCGGGGGTCCCCGCACTCCCGGTGAAGAACTTGAATGGTACTGG  
 GCCGTCCATCCGGCCCTGGCAGGGATGACCGGATACTGCTGTGCGCGCGGGGCTGCCCGTGTGCTG  
 ACGCGGGCCCCAAGCCATCCTGCACCCGCGCCCGTGAGCAAGAGCGACGTGAAGCCCGTGCCTGGCC  
 TGCCCGGGGTGTGCCGAAGACCAAGAAGACACCTTAAAAAGAGTAAGAATCCCGAGGATGTGGTTCG  
 AAGATACATGCAGAAGGTGAAAAACCCACTGATGAGGACTGTACCATCTGCATGGAGCGGCTGGTCA  
 GCATCAGGCTACGAGGGCGTGTTCGGACAAGGGCGTGCAGCCTGAGCTCGTGGCCGCTGGGCGCT  
 GTGGCCACATGTACCACCTGCTGTGCCTCGTGGCCATGTACTCCAATGGCAACAAGGATGGCAGCCTG  
 GTGCCACCTGCAAGGCCATCTATGGGAGAAGACGGGTACGCAGCCGCTGGGAAGATGGAGTCCAC  
 CTCATCCCCACTCGTGCCTGGCTTCCCTGATACCCAGACCATCCGCATCGTCTATGACATCCCCACAG  
 GCATCCAGGGCCTGAGCACCCCAACCCGGGAAGAAGTTCACCGCAAGAGGATTCCTCGCCACTGCTA  
 TCTACCAACAACGAGAAAGGCCGAAGGTGCTGCGGCTGCTCATCACGGCTGGGAGAGAAGACTCATC  
 TCACTATCGGCAGTCCAACACCACGGGCGAGTCCGACACCGTGGTGTGAACGAGATCCACCACAAGA  
 CCGAGTTTGGATCCAACCTCACGGGCCACGGCTACCCGGACGCTAGCTACCTAGACAACGTGCTGGCTGA  
 GCTCACAGCCAGGGCGTATCCGAGGCTGCAGCCAAGGCT

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG208338 representing NM\_004416  
 Red=Cloning site Green=Tags(s)

MSRPGHGLMPVNLGFPPQNVARVVVWEWLNHSRWRPYTATVCHHIENVLKEDARGSVVLGQVDAQLV  
 PYIIDLQSMHQFRQDTGMRPVRNFYDPSSAPGKIVWEWENDGGAWTAYDMDICITIQNAYEKQHPWL  
 DLSSLGFCYLIYFNSMSQMNQRTRRRRLRRRLDLAYPLTVGSIPKSQSWPVGASSGQPCSCQCLLVNS  
 TRAASNAILASQRRKAPPAPLPPPPPPGGPPGALAVRPSATFTGAALWAAPAAGPAEPAPPPGAPRSP  
 GAPGGARTPGQNNLNRPGPQRTTSVSARASIPPGVPALPVKNLNGTGPVHPALAGMTGILLCAAGLPVCL  
 TRAPKPIHPPPVSXSDVVPVGPVGVCRKTKKKHLKSKNPEDVVRRYMQVKNPDPDEDCTICMERLVT  
 ASGYEGLRHKGVPELVGRLGRCGHMYHLLCLVAMYSNGKDGSLQCPTCKAIYGEKGTQPPGKMEFH  
 LIPHSLPGFPDTQIRIVYDIPTGIQGPENPNPKKFTARGFPRHCYLPNNEKGRKVLRLITAWERRLI  
 FTIGTSNTTGESDVTVVWNEIHHKTEFGSNLTGHGYPDASYLDNVLAEHTAQGVSEAAAAA

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

SgfI-MluI



<b>OTI Disclaimer:</b>	<p>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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_004416.2</a> , <a href="#">NP_004407.2</a>
<b>RefSeq Size:</b>	3317 bp
<b>RefSeq ORF:</b>	1863 bp
<b>Locus ID:</b>	1840
<b>UniProt ID:</b>	<a href="#">Q86Y01</a>
<b>Cytogenetics:</b>	12q24.13
<b>Domains:</b>	RING, WWE
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Protein Pathways:</b>	Notch signaling pathway
<b>Gene Summary:</b>	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]