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Product datasheet for MC219736

Dtx2 (NM_023742) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dtx2 (NM_023742) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dtx2
Synonyms:	2610524D08Rik; AA408415; AU022494; Deltex2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

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Fully Sequenced ORF:

>MC219736 representing NM_023742
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCATGGCCCCAAGCTCGTCTCTGCCGCAGGTGTACCCTAGCCACGTGGTGGTGGCTGTGTGGGAAT
GGCAGGATGGGCTTGGCATTTGGCACCCCTACAGTGCCACTGTCTGCTCCTTCATTGAGCAGCATTTTGT
CCGGCAGAGGGGCCAGCATTTTGGACTGGGAAGCCTGGCCCACAGCATCCCCTTAGGCCAAGCTGACCCC
TCACTGGCCCCTTACATCATCGACCTCCCCAGCTGGACTCAGTTTCGCCAGAACACTGGCACCATGAGGT
CTGTGCGCAGACACCTGTTCTCACAGAATTCTGCCCCAGGCCAGGGCATCGTCTGGGAGTGGCTGGGCGA
TGACGGATCCTGGGTAGCCTATGAAGCTAGAATCTGTGACTATCTGGAACAGCAAGTGGCCCGGGGCATC
CAGGTCGTGGACTTGGCACCACTGGGGTATAACTATACTGTCAACTATGCCACCCTAACCCAAACCAACA
AGACTTCCAGCTTCTGCCGGAGTGTGCGACGCCAAGTGGGGCCAGTTTACCCAGTGACTTCAGACATCGC
TGTTCCACGCCAAATGGGACTTATCTGCTTTTGCCAACAGTGCCTCCATGGTAGCGGAACTGGCCCTGTG
TCGGGCCGCTACCGCCACTCCATGACCAACCTGCCTGCATATCCTGCCCCCCAAGCACCCCACCGGACCA
CCACTGTCTCTGGGGCCCACCAGGCCTTTGCCCCATACAATAAACCTTCACTGTCTGGGGCCAGATCTGC
ACCAAGGTTGAACACCACCAACCCCTGGGCTGCAGCACCTCCTGTTGCAGGCAACCAGTCCCTGTTCCAC
TCCAGCCTCTCCCACCTGGGGCCTCAGCTCCTGCCCTCAGGACCGTCCACCTCCAGTGGAGCCAGTGCCT
CCTTCCCCAGCGGGCCCTCCTCCAGCAGCCCAGGGAGCGCCCCCACCACTGTGCCCGTGCAGATGCCAAA
GGCCAGCAGGGTCCAGCAGGCGCTTGCAGGCATGACGAGTGTGCTGTCAGCCATTGGACTCCCTGTGTGT
CTTAGCCGTGCACCCCGGCCCACCGGCCCTCCCGCCTCCCGTCCGGCCTCTAAAAGTCACAGCTCAGTTA
AGAGGCTGAGGAAAATGTCCGTAAAAGGGGCGCCTAAGCCCGAGCCGGAGCAGGTGATCAGAAAGTACAC
CGAGGAGCTGAAAGTGGCCCCTGAAGAGGACTGCATTATCTGTATGGAGAAACTGGCTGTGGCTTCTGGG
TACAGTGACATGACTGACAGCAAGGCCCTCGGGCCCATGGTCGTGGGCCGCCTCACCAAGTGCAGCCATG
CCTTCCACCTGCTGTGCCTGCTGGCCATGTATTGCAACGGGAACAAGGACGGGAGTCTTCAGTGTCCGTC
GTGCAAAACCATCTATGGGGAGAAGACTGGGACGCAGCCCTGGGGGAAGATGGAGGTGTTCAGGTTCCAA
ATGTCCCTCCCAGGCCATGAAGACTGTGGGACTATACTCATTGTTTACAACATCCCTCATGGCATCCAGG
GACCAGAGCACCCCAGCCCTGGGAAGCCATTCACTGCCCGGGGCTTTCCCCGGCAATGCTACCTGCCAGA
TAGCCCTCAGGGCCGCAAGGTCCTGGAGCTCCTGAAGGTGGCCTGGAAGAGGCGACTCATTTTTACCGTG
GGCACTTCCAGCACCACAGGTGAGACCGACACCGTGGTGTGGAACGAGATCCACCACAAGACCGAGATGG
ACCGCAACGTGACAGGCCACGGCTATCCGGACCCCAACTACCTGCAGAATGTGCTGGCTGAGCTCGCTGC
CCAGGGAGTGACCGAAGACTGCCTGGAACAGCAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_023742

Insert Size: 1857 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).

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_023742.2, NP_076231.1
RefSeq Size:	2656 bp
RefSeq ORF:	1857 bp
Locus ID:	74198
UniProt ID:	Q8R3P2
Cytogenetics:	5 G2
Gene Summary:	Regulator of Notch signaling, a signaling pathway involved in cell-cell communications that regulates a broad spectrum of cell-fate determinations. Probably acts both as a positive and negative regulator of Notch, depending on the developmental and cell context. Mediates the antineural activity of Notch, possibly by inhibiting the transcriptional activation mediated by MATCH1. Functions as a ubiquitin ligase protein in vitro, suggesting that it may regulate the Notch pathway via some ubiquitin ligase activity (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) has an alternate splice site in the coding region, but maintains the reading frame, compared to variant 1. The resulting isoform (2) lacks an internal aa, compared to isoform 1.