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Product datasheet for MG205239

Dtx3 (NM_030714) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dtx3 (NM_030714) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dtx3
Synonyms:	Deltex3; mg310
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>MG205239 representing NM_030714
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCGTTCGTCCTGTCCAGAATGGCAGCCTGTGGAGGCTCCTGCAAGAACAAAGTGACTGTCTCCAAGC
CTGTGTGGGACTTCCTGAGCAAGGAGACCCCAGCCCGGCTGGCCCGGCTTCGGGAGGAGCATCGGGTGTC
CATCCTCATAGATGGCGAGACTTCTGACATCTACGTGCTCCAGCTGTCCCCACAGGGTCCTCCCCCAGCC
CCTCCCAATGGGCTCTACCTGGCCAGGAAGGCTCTCAAGGGGCTACTGAAAGAGGCAGAGAAAGAGCTAA
AGAAAGCCCAGAGGCAGGGGGAGCTCATGGGCTGCCTGGCTTTGGGGGGTGGAGGGGAACACCCCGAGCT
GCACCGCCCAGGCCCTCCTCCCCTCCGAGCAGCCCCACTCCTGCCCCCAGGGGCAAGAGGGCTACCCCCT
CCTCCTCCTCCCCTGCCCCCTCCACTCCCTCCTCGTCTCAGAGAGGACGCTGAAGAGCAGGAAACCACCT
GCCCCATTTGCCTGGGGGAGATACAGAATGCCAAGACGCTGGAGAAGTGCAGGCACTCCTTCTGTGAGGG
CTGCATCACACGGGCCCTGCAGGTGAAAAAGGCCTGCCCCATGTGCGGCCGATTCTACGGGCAGCTTGTG
GGCAACCAGCCCCAGAACGGACGGATGCTGGTCTCCAAGGATGCCACCCTCCTGCTGCCCAGCTACGAGA
AGTATGGCACCATTGTCATCCAATATGTCTTCCCGCCTGGCGTCCAGGGGGCTGAACACCCCAACCCAGG
AGTTCGGTACCCTGGTACCACACGGGTGGCCTACCTCCCGGACTGCCCCGAGGGCAACAAGGTGCTGACC
CTGTTCCGAAAGGCATTTGACCAGCGCCTCACCTTCACCATCGGCACGTCCATGACTACAGGGAGACCCA
ATGTCATCACTTGGAACGACATCCACCACAAGACCAGCTGCACAGGGGGACCCCAGCTGTTTGGGTATCC
GGACCCAACCTACCTGACTAGGGTGCAAGAGGAACTGAGAGCCAAGGGTATCACAGACGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

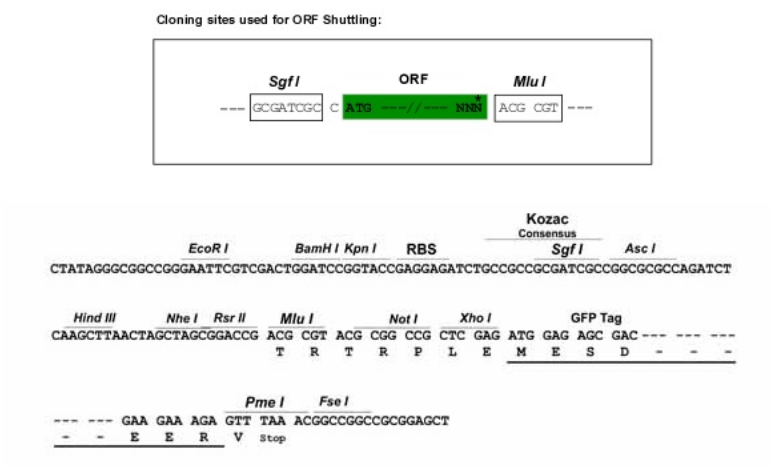
>MG205239 representing NM_030714
Red=Cloning site Green=Tags(s)

MSFVLSRMAACGGSCKNKVTVSKPVWDFLSKETPARLARLREEHRVSILIDGETSDIYVLQLSPQGPPPA
PPNGLYLARKALKGLLKEAEKELKKAQRQGELMGCLALGGGGEHPELHRPGPPPLRAAPLLPPGARGLPP
PPPPLPPPLPPRLREDAEEQETTCPICLGEIQNAKTLEKCRHSFCEGCITRALQVKKACPMCGRFYGQLV
GNQPQNGRMLVSKDATLLLPSYEKYGTIVIQYVFPPGVQGAEHPNPGVRYPGTTRVAYLPDCPEGNKVLT
LFRKAFDQRLTFTIGTSMTTGRPNVITWNDIHHKTSCTGGPQLFGYPDPTYLTRVQEELRAKGITDD

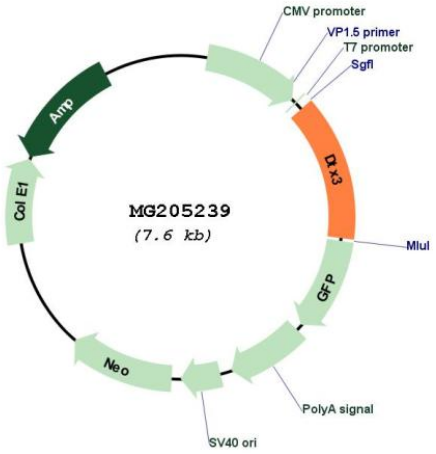
TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_030714

ORF Size: 1041 bp

OTI Disclaimer:	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_030714.2, NP_109639.1
RefSeq Size:	2030 bp
RefSeq ORF:	1044 bp
Locus ID:	80904
UniProt ID:	Q80V91
Cytogenetics:	10 D3
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. Functions as a ubiquitin ligase protein in vitro, suggesting that it may regulate the Notch pathway via some ubiquitin ligase activity.[UniProtKB/Swiss-Prot Function]