

Product datasheet for **RR216437**

Dtx3 (NM_001191989) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dtx3 (NM_001191989) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Dtx3
Synonyms: RGD1566181
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR216437 representing NM_001191989
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGTTGCTCCTGTCCAGAATGGCAGCCTGTGGAGGCTCTGCAAGAACAAGTGACAGTCTCCAAGC
CTGTGTGGGACTTCCTGAGCAAGGAGACCCAGCCGGCTGGCCCGGCTTCGGGAGGAGCACCGAGTGTC
CATCCTCATAGATGGCGAGACTTCTGACATCTATGTGCTCCAGCTGTCTCCACAGGGTCTCCCCGGCC
CCCCCAATGGGCTCTACCTGGCCAGGAAGGCTCTCAAGGGGCTACTGAAAGAGGCAGAAAAGAGCTGA
AGAAAGCTCAGAGGCAGGGGAGCTCATGGGCTGCCTGGCTTTGGGGGTGGAGGGGAGCACCTGAGCT
GCACCGCCAGGCCACCTCCTCTCCGAGCAGCCCACTCCTGCCCCAGGGGCAAGAGGGTCCCCCT
CCTCCTCCTCCCCGCCCTCCACTCCCTCCTCGTCTCAGAGAGGATGCTGAAGAGCAGGAAACCCT
GCCCCATTTGCCGTTGGGGAGATACAGAAATGCCAAGACGCTGGAGAAGTGCAGGCACTCCTTCTGTGAGG
CTGCATCACAAGGGCCCTGCAGGTGAAAAGGCCTGCCCCATGTGCGCCGATTCTACGGGCAGCTGGT
GGCAACCAGCCCCAGAAATGGGAGGATGCTGTTTCCAAGGACGCCACCTCCTGTTGCCAGCTATGAGA
AGTACGGCACCATTGTCAATCAATATGCTTCCCGCTGGCGTCCAGGGGCTGAACACCCCAACCAGG
AGTTCGGTACCCTGGTACCACACGGGTGGCTACCTCCCGACTGCCCGAGGGCAACAAGGTGCTGACC
CTGTTCCGAAAGGCATTTGACCAGCTCTCACCTTCACTATCGGCACGTCCATGACTACAGGGAGACCCA
ATGTCATCACTTGAACGACATCCACCACAAGACCAGTGCACAGGGGGACCCAGCTGTTTGGGTATCC
GGACCAACCTACCTGACTAGGGTGAAGAGGAACTGAGAGCCAAGGGTATTACAGACGAC

ACGGTACGGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR216437 representing NM_001191989
 Red=Cloning site Green=Tags(s)

MSFVLSRMAACGGGCKNKVTVSKPVWDFLSKETPARLARLREEHRVSILIDGETSDIYVLQLSPQGGPPPA
 PPNGLYLARKALKGLLKEAEKELKKAQRQELMGCLALGGGGEHPPELHRPGPPPLRAAPLLPPGARGLPP
 PPPPLPPPLPRLREDAEEQETTCPICLGEIQNAKTLEKCRHSFCEGCITRALQVKKACPMCGRFYGLV
 GNQPQNGRMLVSKDATLLLLPSYEKYGTIVIQYVFPVGGVQAEHPNPGVRYPGTTRVAYLPDCPEGNKVLT
 LFRKAFDQRLFTIGTSMTTGRPNVITWNDIHHKTSCTGGPQLFGYDPPTYLTRVQEELRAKGITDD

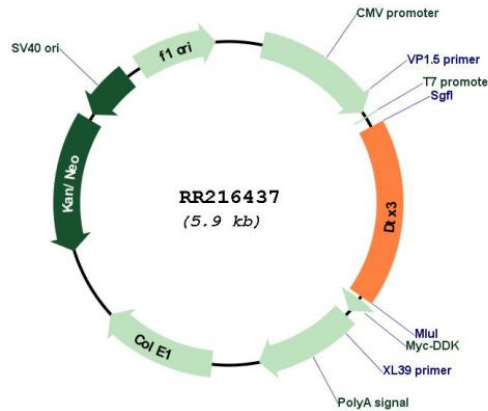
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001191989

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:	<ol style="list-style-type: none">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_001191989.1 , NP_001178918.1
RefSeq Size:	1558 bp
RefSeq ORF:	1044 bp
Locus ID:	500847
Cytogenetics:	7q22
MW:	38 kDa