

Product datasheet for **RR204843**

Tyro3 (NM_017092) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tyro3 (NM_017092) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tyro3
Synonyms:	Brt
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR204843 representing NM_017092
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGCTGAGGGCGAGCATGGGGCGGCCGGGGCTCCGGCCGCTGCTGCTGGCGGGCTGGCCTCTCTGC
 TGCTCCCAGGGTCCGCGGCCGCAGGCCTGAAGCTCATGGAGCCCCAGTGAAGATGACAGTGTCTCAGGG
 GCAGCCAGTGAAGCTTAACTGCAGTGTGAAGGGATGGATGACCTGACATACACTGGATGAAGGATGGC
 GCTGTGGTCCAGAATGCAAGCCAGGTGTCCATCTCAATAAGCGAACAGAAGTGGATTGGCTTACTCAGCC
 TAAAGTCAGCGGAGCGGTCTGATGCCGGCTGTACTGGTGCCAGGTGAAGGATGGGGAGGAAACCAAGAT
 CTCTCAGTCAGTATGGCTCACTGTTGAAGGTGTGCCATTCTTACGGTGGAAACAAAAGATCTGGCGGTG
 CCACCAATGTCCCTTTCAACTGTCTTGTGAGGCTGTGGGTCCACCAGAACCCGTAACCATTTTCTGGT
 GGAGAGGACCCACTAAGGTTGGGGACCTGCTTCTCCTCTGTTTTAAATGTAAACAGGAGTGACCCA
 GCGCACAGAGTTTTCTTGTGAAGCTCATAACATAAAAGGCTGGCCACTCCCGACCAGCCATTATTCGC
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 CCTGGGTGCCGGGTGCTGATGGCTTAGCTCTGCTGCACTCCTGTACTGTACAGGTGGCACATGCCCCAGG
 AGAATGGGAGGCCCTTGCTGTGCTGGTTCCTGCCACCCCTTACTTGCTTGCTTCGGAACCTGGCCCT
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 TCCTGGGTCCAAGAAAATGGAACCCAGGATGAGCTGATGGTGAAGGAACTACGGCAATCTGACTGACT
 GGGATCCCCAGAAGGACCTGGTTTTGCGTGTGTGCCTCCAATGCAATTGGTATGGCCCTGGAGTCA
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 CCTGTGGTCTGGGTGTGCTCACCGCCCTGATCACAGCTGCTGCCTTGGCCCTCATCCTGCTTCGGAAGA
 GACGCAAGGAGACCGGTTCCGGCAAGCCTTTGACAGTGTGATGGCCGAGGGGAGCCAGCTGTACACTT
 CCGGGCAGCCCGTCTTCAATCGAGAAAGCCTGAACGCATTGAAGCTACATTGGATAGCTGGGCATC
 AGCGATGAATTGAAGGAGAAGCTGGAGGACCTCCTCATCCAGAGCAGCAGTTACCCTCGGCCGGATGT
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 GGCAGTGAAGATGCTGAAAGCTGACATCATTGCCTCAAGCGACATAGAAGAGTTCCTGAGAGAAGCAGCT
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 GTCGCTCCCCATTTCCATGGTATCCTGCCCTCATGAAGCACGGAGACTTGCATGCCTTCTGCTCGC
 CTCCCGAATTGGGGAGAACCCTTTAACCTGCCCTCCAGACCCTCGTCCGGTTCATGGTGGACATTGCC
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 ACCAGAGGCTTTTGTGTTGCAGCAAGGGCTACTGCCTCACAGTAGCTGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR204843 representing NM_017092
 Red=Cloning site Green=Tags(s)

MALRRSMGRPGLRPLLLAGLASLLLPGSAAAGLKLMGAPVKMTVSQGQPVKLNCSVEGMDDPDIHWMKDG
 AVVQNASQVSIISIQNWIGLLSLKSAERSDAGLYWCQVKDGEETKISQSVWLTVEGVPFFTVEPKDLAV
 PPNVFPQLSCEAVGPPPEVTFIWWRGPTKVGPPASSPSVLNVTGVTQRTEFSCEAHNIKGLATSRPAIIR
 LQAPPAAPFNITVTTISSNASVAWVPGADGLALLHSCCTVQVAHAPGEWEALAVVVPVPPFTCLLRNLAP
 ATNYSLRVRCANALGPSYGDWVPFQTKGLAPARAPQNFHAIRTDGLILEWEEVIPEDPGEGPLGPYKL
 SWVQENGTQDELMEVETTANLTDWDPQKDLVLRVCASNAIGDGPWSQPLVVSSHDAHGRQPPHSRTSWV
 PVVLGVLTAALITAAALAILLRKRRKTRFGQAFDSVMARGEPAVHFRAARSFNRRERPERIEATLDSLGI
 SDELKEKLEDVLIPEQQFTLGRMLGKGEFGSVREAQLKQEDGSFVKVAVKMLKADIIASSDIEEFLREAA
 CMKEFDHPHVAKLVGVSLRSRAGRLPIPMLVILPFMKHGDHAFLLASRIGENPFNLPLQTLVRFMVDIA
 CGMEYLSSRNFIHRDLAARNCLAEADMTVCVADFGLSRKIYSGDYRQGCASKLPVKWLALESADNLYT
 VHSVDVAFVMTWEIMTRGQTPYAGIENAEIYNYLISGNRLKQPPECMEEVYDLMYQCWSADPKQRPST
 CLRMELENILGHLVLSSTQDPLYINIERAGQPAENGSPPELPCGEQSSSEAGDGS GMGAIGGIPSDCRYI
 FSPGGLAESPGLEQQPESPLNENQRLLLQGLLPHSSC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

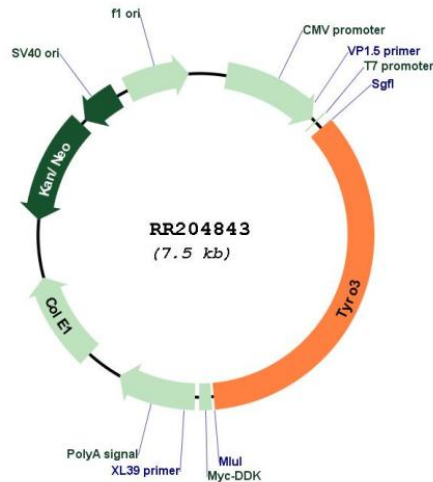
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_017092

ORF Size: 2640 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_017092.1](#), [NP_058788.1](#)

RefSeq Size: 3726 bp

RefSeq ORF: 2643 bp

Locus ID: 25232

UniProt ID: [P55146](#)

Cytogenetics: 3q35

MW: 95.9 kDa

Gene Summary: receptor tyrosine kinase; may have a role in development or function of specific neuronal populations [RGD, Feb 2006]