

Product datasheet for **RR204086**

Tbl1xr1 (NM_001108941) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tbl1xr1 (NM_001108941) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tbl1xr1
Synonyms:	RGD1560053
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR204086 representing NM_001108941
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGTATAAGCAGTGATGAGGCAACTCTTGGTATATAGTACTTGCAAGAGTCAGATTTTCTCATT
 CTGCATTTACCTTTGGTATAGAGAGCCATATAAGTCAGTCCAACATAAATGGTGCCTCGTCCCACCCGC
 TGCACTCATCTCTATCATCCAGAAAGCCCTGCAATATGTAGAGGCAGAAGTTAGCATAAATGAGGATGGC
 ACCTTATTTGATGGTCGACCCATAGAGTCTCTGTCCCTGATAGATGCTGTCATGCCCGATGTCGTCCAAA
 CAAGACAACAAGCCTACAGAGACAAGCTTGACAGCAACATGCAGCCGCTGCTGCAGCTGCTGCCGAGC
 CACTAACAGCAAGGCTCTGCGAAAAATGGAGAGAACACAGCCAATGGGGAGGAGAATGGAGCACACACC
 ATCGCAAATAATCACACGGACATGATGGAGGTGGACGGGGATGTGAAATCCCTCCCAATAAAGCGGTTG
 TGCTTCGGGGCCATGAATCGGAAGTTTTATCTGTGCCTGGAACCCTGTTAGTGATCTCCTGGCATCAGG
 GTCTGGAGACTCCACTGCAAGAATATGGAACCTCAGTGAGAACAGCACAAAGTGGCCCCACACAGCTGGT
 CTTAGACTGCATACGGGAAGGAGGGCAGGACGTTCCAGTAACAAGGATGTCACCTCTCTAGATTGGA
 ATAGTGAAGGTACACTTCTAGCAACTGGGTATATGACGGATTTGCCAGAATATGGACTAAAGATGGTAA
 TCTTGCCAGCACCTTGGGGCAGCATAAAGGTCCTATATTTGCATTAATAAAGAAAGGAAATTTTC
 ATCCTAAGTGCTGGTGTAGACAAGACCACCATCATTTGGGATGCGCATACTGGAGAAGCCAAGCAGCAGT
 TTCCTTTCCATTCAGCCCCAGCACTGGATGTTGACTGGCAGAGCAACAACACCTTTGCATCTTGTAGTAC
 AGATATGTGCATTACGCTCTGCAAATAGGACAAGACAGACCTATCAAAACATTCAGGGACACACGAAT
 GAAGTAAATGCTATCAAATGGGACCAACTGGCAATCTCCTAGCCTCCTGTTGATGACATGACATTGA
 AGATATGGAGTGAAGCAAGATAACTGTGTTTATGATTTACAAGCACATAATAAAGAAATTTATACTAT
 TAAATGGAGTCCAAACAGGACAGGACAATAATCCGAATGCCAACCTTATGCTAGCAAGTGCATCCTTT
 GATTCTACAGTTAGGTTATGGGATGTAGACCGAGGGATTTGCATCCATACTTTGACAAAACATCAAGAGC
 CTGTGTACAGTGTGGCTTTTAGTCTGATGGCAGGTATCTGGCAAGTGGTTCTTTTGACAAGTGTGTGCA
 CATCTGGAACACACAGACAGGTGCTCTAGTTCACAGTTACAGGGGAACAGGTGGGATTTTGAAGTTTGC
 TGGAACGCAGCAGGAGACAAAGTTGGAGCCAGTCTCGGATGGTTCAGTTTGTGTCTTAGATCTTCGGA
 AA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR204086 representing NM_001108941
 Red=Cloning site Green=Tags(s)

MSISSDEVNFLVYRYLQESGFSSAFTFGIESHISQSNINGALVPPAALISIIQKGLQYVEAEVSNEDG
 TLFDGRPIESLSLIDAVMPDVVQTRQQAAYRDKLAQQHAAAAAAAAAATNQGS AKNGENTANGEENGAHT
 IANNHTDMMEVDGDVEIPPNKAVVLRGHESEVFCAWNPNVSDLLASGSGDSTARINWLNSENSTSGPTQLV
 LRHCIREGGQDVPSNKDVTSLDWNSEGTLLATGSYDGFARIWTKDGNLSTLQGHKGI FALKWNKKNF
 ILSAGVDKTTIIWDAHTGEAKQFPFHSAPALDWDWQSNNTFASCSTDMCIHVCKLGQDRPIKTFQGHTN
 EVNAIKWDPTGNLLASCSDDMTLKIWSMKQDNCVHDLQAHNKEIYTIKWSPTGPTNPNANMLASASF
 DSTVRLWDVDRGICIH TLTKHQEPVYSVAFSPDGRYLASGSFDKCVHIWNTQTGALVHSYRGTGGIFEV
 WNAAGDKV GASASDGSVCVLDLRK

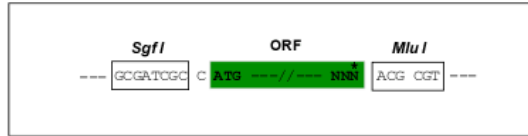
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

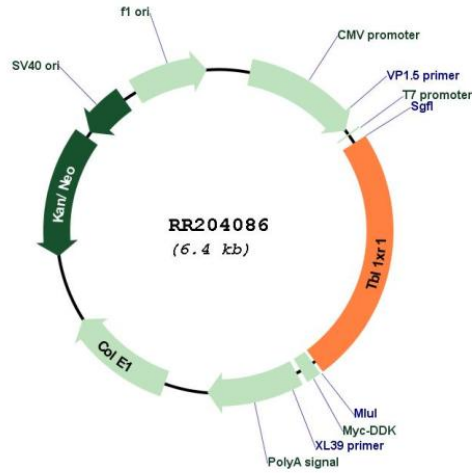
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN:	NM_001108941
ORF Size:	1542 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_001108941.1 , NP_001102411.1
RefSeq Size:	7757 bp
RefSeq ORF:	1545 bp
Locus ID:	365755
Cytogenetics:	2q24
MW:	55.7 kDa