

Product datasheet for **RR214543**

Tstd2 (NM_001108663) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tstd2 (NM_001108663) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tstd2
Synonyms:	RGD1310893
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR214543 representing NM_001108663
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCTTCTCCCACTTCAGCAGACGAAGAGGATGGCCTGGAGACCTGTGTTTTAAAGACTTTTGATCTGG
 ATTTAAAAGAATCAAATATTGTTACTCCAAGCAATAGTCTCAAAGCAGAGTTAGATGGCAGTACAAAGAA
 GAAATACTCGTTTGCAAAGAAAAAGCCTTTGCCCTTTTGTCAAACCAAACAAGTTCCAGTGCCTTCT
 TATGAAGTTAAGGAAAGACGGTGGCGATGTTGTACAGCAGCTGTTGCAGAGCAGACCAGCATCCACAGAC
 ATGTGGCCACACAGCACGCTGAAGACGTGTACCAGCAGACTGCTTCCATTCTCAAGCAGCTCACTGCAGC
 ACTGAGGACCCACAGAGTCTTACGCCACAGACCGGAGGAGCTCCCAAAAGACTGTCTCCCTCTAGT
 CAGGATGTGTCTGCTTGGCTCCCTGATGTGAGCCACGTTAGCCCGCAAGAGCTGAGGAGTGGCCAGGGCA
 ATGAGGAAGGAGAGGTGCTCCTGTATTACTGCTACTGTGACTTGGAGGACCCGACTGGGCTGTGCCTG
 GCAGGCAGCTCTGTGCCGTACCTGCACCTACAGGCAAGATTGGATCGCGACAGAAGGAATCAATGGA
 ACCGTTGGAGGAAGCAAAGTGGCCACCCGACTCTACATGGAAGTCATGCTTTCTTGCCCATTTTAAAGG
 ATTACCTGAGCGAGGATGATTTTAAAGAGCAGCAAAGGAGGGTCTCACTGCTTCCCGGAATTGCGAGTCGG
 TGTGTTCAAGAGATCGTGCCCATGGGGATCAGCCCCAGTGAGGTCTCCTACAAGAACCCCGAATCCAT
 TTATCCCTGGAGAATTCATAAAGAAATAGAAAACTATTGTACAGGCAAATCAGGAACAAGGTGATA
 CTCTCCTACTGGACTGCAGGAATTTCTATGAAAGCAAAATAGGACGATTCAGGGCTGCTTAGCACCAGA
 CATCAGGAAGTTCACTTACTTCCCTAGCTACGTTGACAAAAACCTTGACATTTTCAGGCAGAAGAGGGTG
 CTGATGTACTGCACTGGGGCATTTCGCTGCGAACGGGGTCTGCATACCTCAGAGCCAAGGAGTGTGTA
 AGGAAGTGTTCAGCTCAAGGGTGGCATCCACAAGTATCTAGAAGAGTTTCTGATGGATTTTCAAAGG
 GAAGCTGTTTGTGTTTGTGATGAGCGGTTTGGCCTGACCAACAGTGCTGTGGTCTCAGAATGTTTCATAT
 TGTGGAGCCCCGTGGGACCAATATAAACTCTGTTCTACTCCTCAATGCCGCCAGCTTGTGTTGACCTGTT
 CTGCCTGTCAAGGACAAGGATTCACAGCCTGTTGTGTCATGTGTCAAGACAAAGGGGCAAGCAGGCTTC
 AGACCCACCCAGGACAGTTTTTAAAGAAGAGTGTGAGTGACAGCCCGAGGCCACGCATTCCGCAGGAG
 CAGCGTGCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR214543 representing NM_001108663
 Red=Cloning site Green=Tags(s)

MPSPTSADDEEDGLETCVLKTFDLDLKESNIVTPSNSLKAELDGSTKKKYSFAKKKAFALFVKTKQVPVPS
 YEVKERRWRCCQQLFAEQTSIHRHVATQHAEDVYQQTASILKQLTAALRTPQSLTPTDRSSPKDCLPPS
 QDVSAWLPDVSHVSPQELRSGQGNEEGEVLLYYCYDLEDPDWCAWQAALCRHLHLTGKIRIATEGING
 TVGGSKVATRLYMEVMLSCPLFKDYLSEDDFKSSKGGSHCFPELRVGVFEEIVPMGISPSEVSYPKNGPIH
 LSPGEFHKEIEKLLSQANQEQGDTLLDCRNFYESKIGRFQGLAPDIRKFSYFPSYVDKNLDIRQKRV
 LMYCTGGIRCERGSAYLRAKGVCKEVFLKGGIHKYLEEFPDGFVKGLFVDFERFALAYNSAVVSECSY
 CGAPWDQYKLCSTPQCRQLVLTCSACQGGFTACCVMCQDKGGKQASDPTQDSFKEECECTARRPRIPQE
 QRA

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001108663

ORF Size: 1479 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_001108663.1, NP_001102133.1

RefSeq Size: 3105 bp

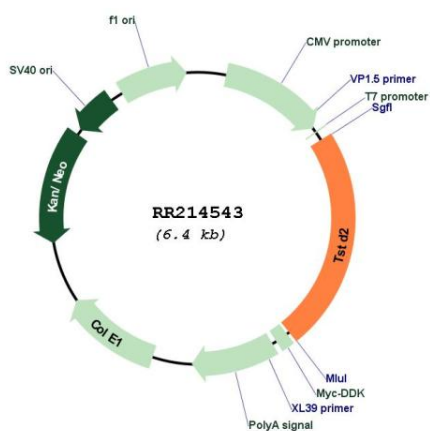
RefSeq ORF: 1482 bp

Locus ID: 362514

Cytogenetics: 5q22

MW: 55.5 kDa

Product images:



Circular map for RR214543