

Product datasheet for **RR206663**

Tdg (NM_053729) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tdg (NM_053729) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tdg
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR206663 representing NM_053729
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGGCGGAGGCTCCGAACATGGCAGACGTGGCCGGACAGCAGATGCCTGCAGAAGCTCCTGCCCAGG
ATCCTGTGCCAGAGGCTCCAAGAGAAGGAAAAGAAAACCAGGGCAGCAGAGGCCACAGCCAGTGGGA
GCCAAAAAGCCTGCTGCCTCAAAGAAATCTGGCAAGTCCAAAAATCAAAGAAAAGCAAGAGAAAAATC
ACAGACACCTTTAAAGTAAAAGGAAAGTGGACCGTTCAACGGTGTCTCTGAAGCTGAGCTTCTGACCA
AGACTCTCCCTGACATTTTGACCTTCAATCTGGATATTGTAATTATTGGCATCAACCCAGGATTAATGGC
CGCTTACAAAGGGCATCATTACCCTGGGCCCGAAATCACTTCTGGAAATGTCTGTTTATGTCTGGGTTG
AGCGAGGTGCAGCTGAGTCACATGGATGACCACACCTTACCTGGAAAATACGGCATCGGATTACCAACA
TGGTGAACGGACAACGCCAGGCAGCAAGGATCTGTCTAGTAAAGAATTCCGGGAAGGAGGGCGTATCCT
AGTGCAGAACTACAGAAATATCAGCCACGAATAGCGGTGTTAATGGAAAATGTATTTATGAGATTTTC
AGTAAAGAAGTTTTGGAGTAAAGGTTAAGAACTTGAATTTGGGCTTCAACCGCACAAGATCCCAGACA
CAGAAACTCTCTGCTACGTCATGCCGTCTCCAGTGCCCGGTGCGCTCAGTTCCTCGGGCGCAGGACAA
AGTCCATTACTACATTAAGCTGAAGGACTTGCGAGACCAGCTGAAGGGCATCGAGCGCAGCACGGACGTT
CAGGAGGTGACGTACACGTTTCGACCTGCAGCTCGCACAAGAGGACGCAAGAGGACGGCTGTTAAGGAAG
AAAAGTATGACCCAGGCTATGAGGCAGCGTATGGCGGTGCCTGTGGTGA AAAACCCGTGTAATGGGGAACC
TTGTGGCTTTGCTTCAAATGGGCTAACAGCCAACAGTGCAGGAGCTGGGAGGAGAAATCAGCTCCGAGCGAC
GTTCAAACGGGCAGTGGATGGCGAGTCGTTGCAGAGCAGATCCCTTCTTTCAATAATTGTGGCAGAC
GAGAGCAGGAAGCAGGAAGCCATGCAGGAAGCCATGCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR206663 representing NM_053729
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MMAEAPNMADVAGQQMPAEAPAQDPVPEAPKRRKRKTRAAEAQDPVEPKKPAASKKSGKSTKSKEKQEKI
 TDTFKVKRKVDRFNGVSEAELLTKTLPDILTFNLDIVIIIGINPGLMAAYKGHHYPGPGNHFWKCLFMSGL
 SEVQLSHMDDHTLPGKYIGFTNMVERTTPGSKDLSSEKFREGGRILVQKLQKYQPRIAVFNGKCIYEIF
 SKEVFGVKVKNLEFGLQPHKIPDTETLCYVMPSSARCAQFPRAQDKVHYIYIKLKDRLDQLKGIERSTDV
 QEVQYTFDLQLAQEDAKRTAVKEEKYDPGYEAAAYGGACGENPCNGEPCGFASNGLTANSIELGGESAPSD
 VPNGQWMAQSF AEQIPSFNNCGTGEQEAGSHAGSHA

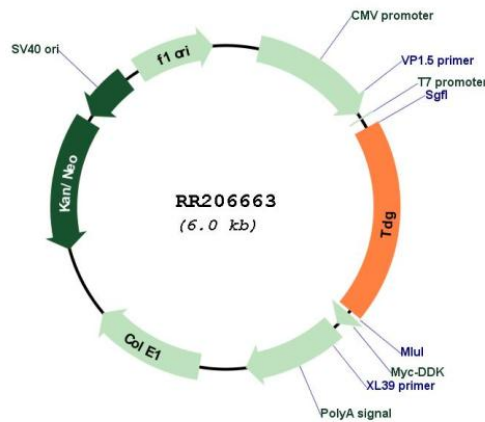
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_053729

ORF Size:	1158 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_053729.1 , NP_446181.1
RefSeq Size:	2881 bp
RefSeq ORF:	1161 bp
Locus ID:	114521
Cytogenetics:	7q13
MW:	42.5 kDa
Gene Summary:	a T:G mismatch-specific thymine DNA glycosylase; acts as a transcriptional repressor of TTF-1 transcriptional activity [RGD, Feb 2006]