

Product datasheet for **RR206797**

Tpi1 (NM_022922) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tpi1 (NM_022922) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tpi1
Synonyms: Tpi
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR206797 representing NM_022922
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGCCTTCCAGGAAGTTCTTCGTCGGGGCAACTGGAAGATGAACGGGAGGAAGAAATGCCTGGGAG
 AACTCATCTGCACTCTGAACGCAGCCAAGCTGCCGGCAGACACCGAGGTGGTTTGTGCACCGCCAACCGC
 CTACATCGACTTTGCCAGGCAGAAGCTGGATCCCAAAATTGCTGTGGCTGCACAGAAGTCTACAAAGTG
 ACCAATGGGGCCTTCACTGGGGAATCAGTCCTGGCATGATCAAGGACTTAGGAGCTACCTGGGTGGTGC
 TGGGACACTCTGAAAGAAGACACATCTTTGGGGAATCAGACGAGTTGATTGGGCAGAAAGTGAACCATGC
 CCTATCCGAGGGACTCGGAGTGATCGCCTGCATTGGGGAGAAGTTAGACGAAAGGGAAGCTGGCATCACT
 GAGAAGGTTGTTTTGAGCAAACCAAGGCCATCGCAGATAATGTGAAGGACTGGTGCAAGGTGGTCCTGG
 CCTATGAACAGTATGGGCCATTGGGACTGGCAAGACTGCAACCCTCAACAGGCCCAGGAAGTACACGA
 GAAGCTCCGGGGATGGCTGAAATGCAACGTCTCTGAGGGGTGGCTCAGTGCACCTCGGATCATTTATGGA
 GGTTCTGTGACTGGAGCGACTTGCAAAGAGCTGGCAAGCCAGCCTGATGTGGATGGCTTCTCGTGGCGG
 GTGCATCTCTCAAGCCTGAATTCGTGGACATTATCAATGCCAAACAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >RR206797 representing NM_022922
 Red=Cloning site Green=Tags(s)

MAPSRKFFVGGNWKMNGRKKCLGELICTLNAAKLPADTEVVCAPPTAYIDFARQKLPKIAVAAQNCYKV
 TNGAFTGEISPGMIKDLGATWVVLGHSERRHIFGESDELIGQKVNHALSEGLGVIACIGEKLDEREAGIT
 EKVVFEQTKAIADNVKDWCKVVLAYEPVVAIGTGTATPQQAQEVHEKLRGWLKCNVSEGVAQCTRIIYG
 GSVTGATCKELASQPVDVDGFLVGGASLKPEFVDIINAKQ

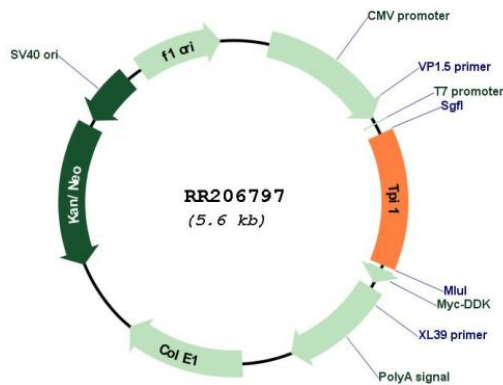
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_022922
ORF Size: 747 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_022922.2 , NP_075211.2
RefSeq Size:	1471 bp
RefSeq ORF:	750 bp
Locus ID:	24849
UniProt ID:	P48500
Cytogenetics:	4q42
MW:	26.8 kDa
Gene Summary:	may catalyze the conversion of D-glyceraldehyde 3-phosphate to glycerone phosphate [RGD, Feb 2006]