

Product datasheet for **RG224041**

TPRX1 (NM_198479) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TPRX1 (NM_198479) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TPRX1
Synonyms:	TPRX
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG224041 representing NM_198479 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGCTCAGCCTCAGGGAGCAACAGCTGCAGGTGTGGTTCAAGAATCGCCGCGCCAACTAGCTCGGGAGC
GGCGGCTCCAGCAGCAGCCCCAGCGCTCCCTGGGCAGAGAGGCCGAGGAGCCGCGCTGCGCCCTAGT
CCCTGCAGCCTCTGCCTCCGCACCTCAGCGGGGCCCTCGGGAATCCTTCCAGCGCGGAACCCACGATC
TGCAGCCTCCACCAGGCCTGGGTGGCCCTGGGTGCAGAGCCAGAAGGGCATCCAGCTGCCCTGAGTC
CAGGCCCTGGCCGATCCCTGCCCAATCCAGGCCAGCCAGATCCAGGCCCACTCCCTGGCTCAAT
TCCAGGCCCAATTCAGGCCAGCTCAGATCCCAAGCCGATCCAGGCCCAATCCAGGCCCAATTTCA
GGCCAGTCCAGATCCAGGCCCAATCCGTGGCCCAATCCAGGCCCAATTTAGGCCAGCCCCGATCC
CAGGCCCAATCTCAGGCCCAATCTCAGGCCCAACCCAGGCCCGATCCAGGCCCAACCCAGGCCCGAT
CCCAGGCCCAATCTCAGGCCCGATCCAGGCCCAATCTCAGTCCCGATCCAGGCCCGATCCAGGCCCA
ATCTCAGGCCCAATCTCAGGCCCAACCCAGGCCCGATCCAGGCCCAATCCAGGCCCAATCTCAGGCC
CGAACCAGGCCCGATCCAGGCCCAATCTCAGGCCGAACCCAGGCCTGATCCAGGCCCAATCCAGG
CCCAATCTCAGGCCAGGCCAATTATAGGCCGATTCCAGGCCAGCCAGATCCAGGCCAGGCAGA
CTCCAAGGCCAGGTCCCATCTTAAGTCTGGCCGATGCGAAGCCCTGGCTCACTTCCAGGCCTAGCCC
CGATTTTAGGCCAGGCTCAGGCCAGGCTCAGGCTCAGTCCAGCTCCAATCCAGGCCAGGATCACT
CCCAGGCCAGGCCCTTATGGCCTCAGAGCCCGATGCCTCCGACTTCTTGCCAGACACCCAGTTATTC
CCTCACTTCACAGAGCTGCTCCTACCCCTAGACCCCTTGAGGGATCCTCAGTCTCCACCATGACCTCTC
AGTACCAAGAAGGGGATGACTCTATGGCAAAAAACACTCAGGGTCTCAGCCCCAAGAGGAGGTGGCTC
TGTGAATGAAATCACTCAGGCCCAAGTTATTACTGGATTTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >RG224041 representing NM_198479
Red=Cloning site Green=Tags(s)

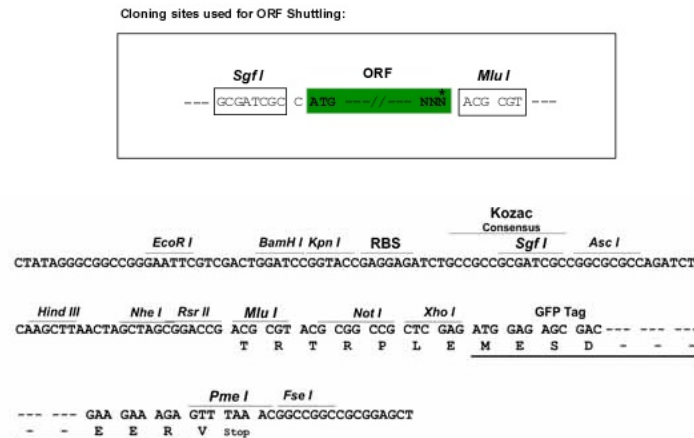
MLSLREQLQVWFKNRRRAKLARERRLQQQPQRVPGQRGRGARAAPLVPAASASAPQRGPSGILPAAEPTI
CSLHQAWGGPGCRAQKGIPAALSPGGPIPAIPGPAQIPGPLPGSIPGPIGPAQIPSPIPAPIPGPIS
GPVQIPGPFRRGPIPGPISGPAPIPGPISGPFSGPNPGPIPGPNPGPIPGPISGPISVPIPGPIPGP
ISGPISGPNPGPIPGPIPGPISGPNPGPIPGPISGPNGLIPGPIPGPISGPGPIIGPIPSPAQIPGGR
LQPGPIILSPGRMRSPGSLPGLAPILGPGSGPGSGSVPAPIPGPSLPAPAPLWPQSPDASDFLPDTQLF
PHFTELLPLDPLEGSSVSTMTSQYQEGDDSMGKKHSGSQPQEEGGSVNENHSGPRLLDL

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_198479

ORF Size: 1233 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_198479.2](#), [NP_940881.2](#)

RefSeq Size: 1839 bp

RefSeq ORF: 1236 bp

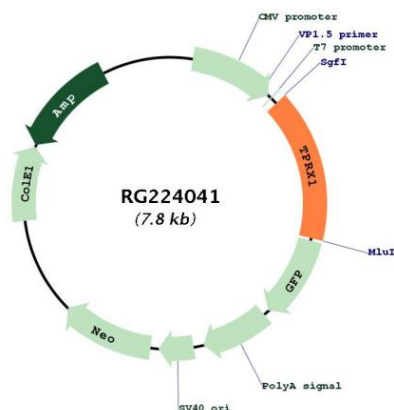
Locus ID: 284355

UniProt ID: [Q8N7U7](#)

Cytogenetics: 19q13.33

Gene Summary: Homeobox genes encode DNA-binding proteins, many of which are thought to be involved in early embryonic development. Homeobox genes encode a DNA-binding domain of 60 to 63 amino acids referred to as the homeodomain. This gene is a member of the TPRX homeobox gene family. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG224041