

Product datasheet for RC223912

TIPRL (NM_152902) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TIPRL (NM_152902) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TIPRL
Synonyms:	TIP; TIP41; TIPRL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC223912 representing NM_152902 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGATGATCCACGGCTTCCAGAGCAGCCACCGGGATTTCTGCTTCGGGCCCTGGAAGCTGACGGCGTCCA
 AGACCCACATCATGAAGTCGGCGGATGTGGAGAAATTAGCCGATGAATTACATATGCCATCTCTCCCTGA
 AATGATGTTTGGAGACAACGTTTTAAGAATCCAGCATGGGTCTGGCTTTGGAATTGAGTTCAATGCTACA
 GATGCGTTAAGATGTGTAAACAACCTACCAAGGAATGCTTAAAGTGGCCTGTGCTGAAGAGTGGCAAGAAA
 GCAGGACGGAGGGTGAACACTCCAAAGAGGTTATTAACCATATGATTGGACCTATACAACAGATTATAA
 GGGAACCTTACTTGGAGAATCTCTTAAGTTAAAGTTGTACCTACAACAGATCATATAGATACAGAAAAA
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 AACCTAATGAAATATCCAGTATTTACCAATAAAGGAAGCAGTTTGTGAGAAGCTAATATTTCCAGAAAG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
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Protein Sequence: >RC223912 representing NM_152902
 Red=Cloning site Green=Tags(s)

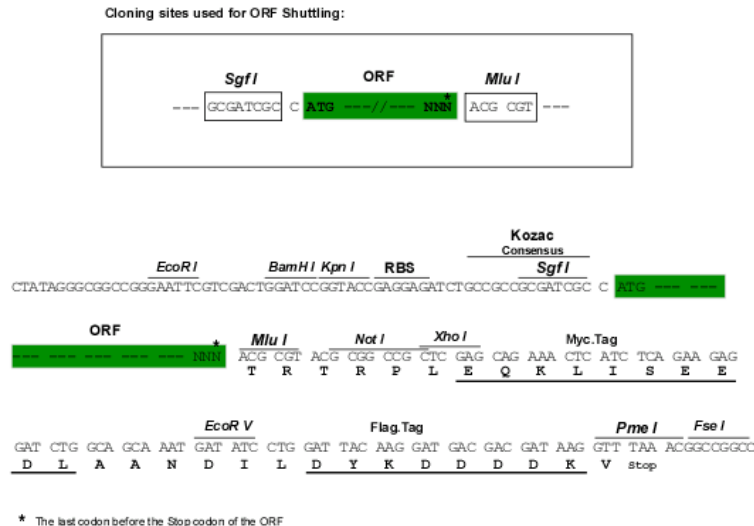
MMIHGFQSSHRDFCFGPWKLTASKTHIMKSADVEKLADLHMPSLPEMMFGDNLRIQHSGSGFIEFNAT
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 LKAREQIKFFEEVLLFEDELHDHGVSSLSVKIRVMPSSFFLLRRFLRIDGVLIRMNDTRLHYHEADKTYM
 LREYTSRESKISSLMHVPPSLFTEPNEISQYLPKEAVCEKLIFPERIDPNPADSQKSTQVE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg2539_g03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152902

ORF Size: 816 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_152902.5](#)

RefSeq Size: 3032 bp

RefSeq ORF: 819 bp

Locus ID: 261726

UniProt ID: [O75663](#)

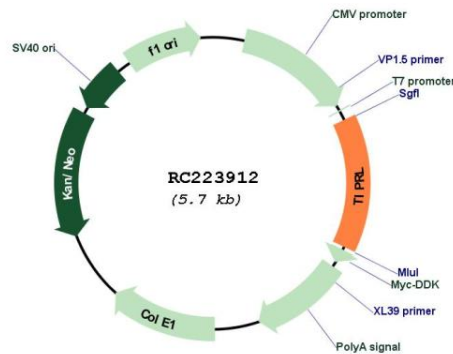
Cytogenetics: 1q24.2

Domains: TIP41

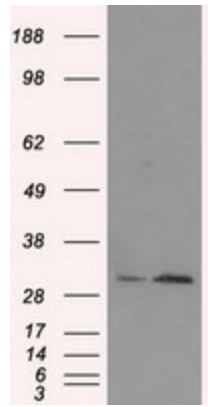
MW: 31.3 kDa

Gene Summary: TIPRL is an inhibitory regulator of protein phosphatase-2A (PP2A) (see PPP2CA; MIM 176915), PP4 (see PPP4C; MIM 602035), and PP6 (see PPP6C; MIM 612725) (McConnell et al., 2007 [PubMed 17384681]).[supplied by OMIM, Nov 2010]

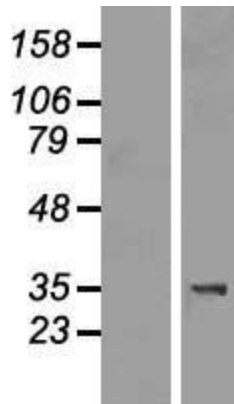
Product images:



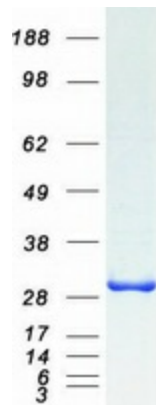
Circular map for RC223912



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY TIPRL (Cat# RC223912, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-TIPRL (Cat# [TA500853]). Positive lysates [LY403496] (100ug) and [LC403496] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY403496]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC223912 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TIPRL protein (Cat# [TP323912]). The protein was produced from HEK293T cells transfected with TIPRL cDNA clone (Cat# RC223912) using MegaTran 2.0 (Cat# [TT210002]).