

Product datasheet for **SC117818**

TIP49A (RUVBL1) (NM_003707) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TIP49A (RUVBL1) (NM_003707) Human Untagged Clone
Tag:	Tag Free
Symbol:	TIP49A
Synonyms:	ECP-54; ECP54; INO80H; NMP 238; NMP238; PONTIN; Pontin52; RVB1; TIH1; TIP49; TIP49A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_003707, the custom clone sequence may differ by one or more nucleotides

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ATGAAGATTGAGGAGGTGAAGAGCACTACGAAGACGCAGCGCATCGCCTCCACAGCCACGTGAAAGGGC
TGGGGCTGGACGAGAGCGGCTTGGCCAAGCAGGCGGCCTCAGGGCTTGTGGGCCAGGAGAACGCGGAGA
GGCATGTGGCGTCATAGTAGAATTAATCAAAGCAAGAAAATGGCTGGAAGAGCTGTCTTGTGGCAGGA
CCTCCTGGAACGGCAAGACAGCTCTGGCTCTGGCTATTGCTCAGGAGCTGGGTAGTAAGGTCCCCTTCT
GCCCAATGGTGGGAGTGAAGTTTACTCAACTGAGATCAAGAAGACAGAGGTGCTGATGGAGAACTCCG
CAGGGCCATTGGGCTGCGAATAAAGGAGACCAAGGAAGTTTATGAAGGTGAAGTCACAGAGCTAACTCCG
TGTGAGACAGAGAATCCCATGGGAGGATATGGCAAACCATTAGCCATGTGATCATAGGACTCAAAACAG
CCAAAGGAACCAACAGTTGAAACTGGACCCAGCATTTTTGAAAGTTTGCAGAAAGAGCGAGTAGAAGC
TGGAGATGTGATTTACATTGAAGCCAACAGTGGGGCCGTGAAGAGGCAGGGCAGGTGTGATACCTATGCC
ACAGAATTCGACCTTGAAGCTGAAGAGTATGTCCCTTGC AAAAGGGGATGTGCACAAAAGAAAGAAA
TCATCCAAGATGTGACCTTGATGACTTGGATGTGGCTAATGCGCGGCCCCAGGGGGGACAAGATATCCT
GTCCATGATGGCCAGCTAATGAAGCCAAAGAAGACAGAAATCACAGACAAACTTCGAGGGGAGATTAAT
AAGGTGGTGAACAAGTACATCGACCAGGGCATTGCTGAGCTGGTCCCGGGTGTGCTGTTTGTGATGAGG
TCCACATGCTGGACATTGAGTGTTCACCTACCTGCACCGCCCTGGAGTCTTCTATCGCTCCCATCGT
CATCTTTGCATCCAACCGAGGCAACTGTGTCATCAGAGGCACTGAGGACATCACATCCCCTCAGGGCATC
CCTCTTGACCTTCTGGACCGAGTGATGATAATCCGGACCATGCTGTATACTCCACAGGAAATGAAACAGA
TCATTAATAATCCGTGCCAGACGGAAGGAATCAACATCAGTGAGGAGGCACTGAACACCTGGGGGAGAT
TGGCACCAAGACCACACTGAGGTA CTAGTGCAGCTGCTGACCCCGGCAACTTGCTTGCTAAAATCAAC
GGGAAGGACAGCATTGAGAAAGAGCATGTCGAAGAGATCAGTGAACCTTTCTATGATGCCAAGTCTCCG
CCAAAATCCTGGCTGACCAGCAGGATAAGTACATGAAGTGA

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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_003707 unedited GTATTTTGTAAATACGACTCACTTATAGGGCGGCCGCAATTCGCACCAGCTCAGGCGCCG GGCGCACTGTCCTAGCTGCTGGTTTTCCACGCTGGTTTTAGTCCCAGGCTCTGCAAAAT GAAGATTGAGGAGGTGAAGAGCACTACGAAGACGCAGCGCATCGCTCCCACAGCCACGT GAAAGGGCTGGGGCTGGACGAGAGCGGCTTGCCAAGCAGGCGGCTCAGGGCTTGTTGG CCAGGAGAACGCGGAGAGGCATGTGGCGTCATAGTAGAATTAATCAAAAGCAAGAAAAT GGCTGGAAGAGCTGTCTTGTGGCAGGACCTCCTGGAACAGGACAGCTCTGGCTCT GGCTATTGCTCAGGAGCTGGGTAGTAAGTCCCCTTCTGCCAATGGTGGGGAGTGAAGT TTAACAAGTCAAGATCAAGAAGACAGAGGTGCTGATGGAGAATTCGCGAGGGCCATTGG GCTGCAATAAAGGAGACCAAGGAAGTTTATGAAGGTGAAGTACAGAGCTAACTCCGTG TGAGACAGAGAATCCCATGGGAGGATATGGCAAAACCATTAGCCATGTGATCATAGGACT CAAAACAGCCAAAGGAACCAACAGTTGAAACTGGACCCAGCATTTTTGAAGTTTGCA GAAAGAGCGAGTAGAAGCTGGAGATGTGATTTACATTGAAGCCAACAGTGGGGCCGTGAA GAGGCAGGGCAGGTGTGATACCTATGCCACAGAATTCGACCTTTGAGCTNGAGAGTATGT CCCCTTGCCAAAAGGGATGTGCACAAAAGAAAGAAACATCCAAGATGTGACCCTGCA TGACTTGGATTGTGCTAATGCCGCGGCCCCAGGGGGACAAGATATCCTGTCCATGATGG GCCCAGCTATGAAGCCANAGNAGACAGAAATCACAGACAACCTCGAGGGGAGATAATAAG GGTGACACAGTCATCGC</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_003707 unedited TGTACGCGGCCGCAATCTATATCGAGTTTTTTTTTTTTTTTTTCTGTTCTGAAAATTTA TTTTAAAAAACTTATAGATATATAGAATCAAATAACCTATGAAGATTTATAGAAAA CACACCAGGTAAGGAAGGTTCTTTCAAAGCAACCACAGGAACAGTTACGATAACTTAAA AAGAAATGCTTTCCACACTGAACTGACAGCGCTGCAGCCACGCCTGAGTGGGGACGGCA GCCCAAGCCAGGGGCAAGCGCCACAGGCTGGACCCAGGCCAGGCACACCTGGGGAGT CTCTTGCTGCTGAAAACCTCAGCCATCTCACTTCATGTACTTATCCTGCTGGTCAGCCAG GATTTTGGCGGAGGACTTGGCATCATAGAAAAGTTCACTGATCTCTTCGACATGCTCTTT CTCAATGCTGCTCTCCCGTTGATTTTAGCAAGCAAGTTGGCCGGGGTCAAGCAGCTGCAC TGAGTACCTCAGTGTGGTCTTGGTGCCAATCTCCCCAGGTGGTTCAGTGCCTCCTCACT GATGTTGATTCCTCCGTCTGGGCACGGATTTAATGATCTGTTTCATTTCTGTGGAGT ATACAGCATGGTCCGATTATCATCACTCGGTCAGATGGTCAAGATGGATGCCGTGAGG GGATGTGATGTCCTCAGTGCCTCTGATGACACAGTTGCCTCGGTTGGATGCAAAGATGAC GATGGGAGCGATAGAATACTNCAGGGGCGCGTGCAGGTAGGTGAAGCACTCATTGTCCAA CATGTGGGCTCATCAACAAACAGCACACCCGGGACCACCTCAGCAATGCCCTGGTCGAT GTACTTGTAAACCACCTTATTAATCTCCCCTCAAAGTTGGCTGGGATTTCCGGCCTCTC TGGGCTTCATAACCGGGCCATTATGGACAGGATTTTGGCCCCCTTGGGGCGCGCTTAC CACTTCCAGTCTGGCAGTCCATTTGGGAGATTTT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_003707
Insert Size:	1750 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_003707.1](#), [NP_003698.1](#)

RefSeq Size: 1750 bp

RefSeq ORF: 1371 bp

Locus ID: 8607

UniProt ID: [Q9Y265](#)

Cytogenetics: 3q21.3

Domains: AAA

Protein Families: Stem cell - Pluripotency, Transcription Factors

Protein Pathways: Wnt signaling pathway

Gene Summary: This gene encodes a protein that has both DNA-dependent ATPase and DNA helicase activities and belongs to the ATPases associated with diverse cellular activities (AAA+) protein family. The encoded protein associates with several multisubunit transcriptional complexes and with protein complexes involved in both ATP-dependent remodeling and histone modification. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]

Transcript Variant: This variant (1) encodes the longer isoform 1.