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Product datasheet for SC118435

PPP1R10 (NM_002714) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP1R10 (NM_002714) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPP1R10
Synonyms:	CAT53; FB19; p99; PNUTS; PP1R10; R111
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF sequence for NM_002714 edited
AAACAGAAACAAGCCGCAGCAACATCTAAGCCCTTGAAAGGATCCTGAGAGAGGGGGGAA
AGGGAAAACAGCAGCCACCAGCCCAACCACTTGTGTCTTCTGCCCCTTCCCACCTATCTT
GCCCACCCCACCAGCCCACGCTGCTTGGGACTTGAAATCTGTGGCCGAAGGACCGTCACT
ACATAACTTCAAAAATAATCAACCACCCTCCCTTCCCAAACCACCCAAATTCACTCATCC
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GCCAAGCCAAGCCCCTTTGAAGGGAAAACGAGCACAGAACCAAGCACAGCCAAACCTTCT
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CCCCCTGTTGAAGTCCCGGAGCTCATGGATACAGCCTCTTTGGAGCCAGGAGCTCTGGAT
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AAAAGTGTGACATGGCCTGAGGAAGGCAAACTGAGAGAATATTTCTATTTTGAATTGGAT
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CAAACCCCTTTCCAGTATTACCCTTAATGCTTGAGAACCTAAAGCTGGTTATCCTGGCGA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_002714 unedited
CGTTTTCGGAATTTGTGACACGATCTCCTATAGGGCGGCCGCGAATTCGGCACGAGGGAG
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NGAAGTCAAAAGTGTGGATGGGATTTCCAAGATCTTCAGTTTGATGAAGGAAGCACGANA
GATGGTGAGTCGATGCACTTACTTGAACATTCTCCTGCAGACCCGTTCACCAGAAATATT
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GACACCAACAACATTTCCCTCCTCCAGCANATTCTACTGACCCTGCAGNATCTACCGGTC
ACTTGTAGACATCTCCAGCAN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_002714 unedited
TCCATGTTTCTTATTAATGTACAGAGTATACAAAACGCAAAAAAAAAATACTCATCCTCAA
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AAAACAACTGATGCCAAAGTGAAGGAGAGAACTGGGAAAGGGCAAAATCATCTTGTTGAA
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CAGTGCATGTAGTGTGACTTTCAGGCCCAGCACGCCGGGCCCAAGTTGATGAGAAGCTGG
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ACCACCGGTCTCACCTCTGCCAGCTAAAACTTGCACCGGATGCAGATACGAGTTCGCCAT
CATCGAACCTAGCAGACCCAGGACGCAGACTGGGTGTTCACAGAAAGTTGAAGGTCCCAC
TTGAGAAAGGACTAAGAATGGTGAGCCCACGCTGGGGGAGGGGTGGGGATGATGTGTGTT
CCAGAACTCAAATCCAGCTGATTGAGCCCTCTCAGTGCAGTGGGATATACAATACCCCTT
TCAGCATCTCCCCACCCATGAGGAATAATGAACTTAGCTGGGATGAATTCTTAAGTGCAG
CTGATCCTGTGTCAGAGTTCTGTGTGCATGTGGGGACCCGCAATAGAAGGTANGGGTGTT
CGCCAGGATACCAGCTTTAGGTCTCAACATTAAGTTATACTGAAAAGGGTTTGGGTCAGG
CCAATCTTTTAAAATGAGCCAACTGGTTCTCTTTTAACAACCAGAACGTTTCAGTTCTTT
CTTCCCGACTGGAGAAATTTTACTCATGCCCACCTTGATAGAAACCCCAGACCCAACAAT
GGGACTGAGGGGCCGTTCTCTATATTG

Restriction Sites: NotI-NotI

ACCN: NM_002714

Insert Size: 5130 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_002714.2, NP_002705.2
RefSeq Size:	4540 bp
RefSeq ORF:	2823 bp
Locus ID:	5514
UniProt ID:	Q96QC0
Cytogenetics:	6p21.33
Domains:	zf-CCCH, TFS2N
Protein Families:	Druggable Genome, Phosphatase, Transcription Factors

Gene Summary: This gene encodes a protein phosphatase 1 binding protein. The encoded protein plays a role in many cellular processes including cell cycle progression, DNA repair and apoptosis by regulating the activity of protein phosphatase 1. This gene lies within the major histocompatibility complex class I region on chromosome 6, and alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Jul 2012] Transcript Variant: This variant (1) represents the longer transcript and is protein-coding.