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Product datasheet for SC328867

PPP1R16B (NM_001172735) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP1R16B (NM_001172735) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPP1R16B
Synonyms:	ANKRD4; TIMAP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>SC328867 representing NM_001172735.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCAGTCACGTGGACCTGCTGACGGAGCTGCAGCTGCTGGAGAAGGTGCCCACGCTGGAGCGGCTG
CGGGCTGCCCAGAAGCGCCGGGCCCAGCAGCTGAAGAAATGGGCACAGTACGAGCAGGACTTGCAGCAC
CGCAAGCGAAAGCATGAGCGGAAGCGCAGCACGGGCGGCCGCCGCAAGAAAGTGTCCTTCGAGGCCAGC
GTGGCCCTGCTGGAGGCCTCGCTGAGGAACGACGCCGAGGAAGTACGCTACTTCCTGAAGAATAAGGTC
AGCCCTGATTTGTGCAATGAGGACGGACTCACAGCCCTACACCAGTGCTGCATCGACAACTTTGAGGAA
ATTGTGAAGCTGCTCCTCTCCCATGGTGCCAATGTGAACGCCAAGGACAACGAGCTGTGGACACCTCTC
CATGCTGCAGCCACCTGCGGCCACATCAACCTGGTGAAGATCCTCGTTCAGTATGGGGCCGACTTGCTT
GCTGTCAACTCGGATGGGAACATGCCATATGACCTCTGCGAGGATGAACCCACCCTGGATGTCATCGAG
ACCTGCATGGCATACCAGGGCATCACCCAAGAGAAAATCAACGAGATGCGGGTGGCTCCTGAGCAGCAG
ATGATTGCGGACATCCACTGCATGATCGCAGCGGGCCAGGACCTGGACTGGATAGATGCCCAGGGTGCC
ACACTGATGCAGATGGCAGAGCTATTGGTGTCCCATGGAGCTAGTCTCAGTGCAAGGACATCCATGGAT
GAGATGCCAATAGACCTGTGCGAGGAGGAAGAGTTCAAGGTCCTGCTGCTGGAGCTAAAACACAAGCAT
GATGTGATCATGAAGTCACAGCTGAGGCACAAGTCATCCTTGAGCCGGAGGACCTCCAGCGCAGGCAGC
CGTGGGAAGGTGGTGCGGCGAGCCAGCCTGTCGGACAGGACCAACCTGTATAGGAAGGAGTATGAGGGA
GAGGCCATCCTGTGGCAGCGGAGTGCAGCTGAGGATCAGCGGACCTCCACCTACAACGGGGACATCAGG
GAGACCAGGACAGACCAAGAGAATAAGGACCCTAACCCCAGGCTGGAGAAGCCCGTGCTACTCTCCGAA
TTTCCTACCAAGATCCCACGAGGTGAACTGGACATGCCTGTTGAGAATGGCCTCCGGGCTCCGGTCAGT
GCCTACCAGTATGCGCTGGCCAACGGGGATGTCTGGAAGGTGCATGAGGTGCCTGACTACAGCATGGCC
TATGGCAACCCTGGCGTGGCCGACGCCACCCCGCCCTGGAGCAGCTACAAGGAACAGAGCCCTCAGACG
CTTCTGGAGCTGAAGCGGCAGCGGGCTGCAGCCAAGCTGCTCAGCCACCCCTTCCTTAGCACACACCTG
GGCAGCAGCATGGCCAGGACGGGCGAGAGTAGCAGTGAAGGCAAGGCCCCCTTGATCGGAGGCAGAACT
TCACCGTACAGCAGCAATGGGACCTCGGTATATTACACGGTCACCAGCGGAGATCCCCCACTCTTAAAG
TTCAAGGCCCCCATAGAGGAGATGGAGGAGAAGGTGCATGGCTGTTGCCGTATCTCCTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

ACCN: NM_001172735

Insert Size: 1578 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001172735.2
RefSeq Size:	6157 bp
RefSeq ORF:	1578 bp
Locus ID:	26051
UniProt ID:	Q96T49
Cytogenetics:	20q11.23
Protein Families:	Druggable Genome
MW:	58.9 kDa
Gene Summary:	The protein encoded by this gene is membrane-associated and contains five ankyrin repeats, a protein phosphatase-1-interacting domain, and a carboxy-terminal CAAX box domain. Synthesis of the encoded protein is inhibited by transforming growth factor beta-1. The protein may bind to the membrane through its CAAX box domain and may act as a signaling molecule through interaction with protein phosphatase-1. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar processing to generate mature protein. [provided by RefSeq, Sep 2015] Transcript Variant: This variant (2) lacks an in-frame exon in the coding region, as compared to variant 1. The resulting isoform (2) lacks an internal segment, as compared to isoform 1. This isoform (2) may undergo similar processing as isoform 1.