

Product datasheet for MC201783

Ppp1r14d (NM_028104) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Ppp1r14d
Synonyms:	2010107K19Rik; GBPI-I; Ppp1r14
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC024547 sequence for NM_028104
 CGGACGCGTGGGCTCTTGCCCTAGACTGGCAGTTTCTCCAGCACCTTGACAGTCCGATCTCTCCATGCT
 GTCTTCAAGCCCTGCTTCCTGTACATCTCCAGCCCTGGCACAGACAACCCAGACAAGAAGGTCCACTGG
 GCTTCTGAGAAGAGAAGGAGGGCATCGTCCACAGACTCAGAGTCAAAGACTCACTTGGACATTTCTAAGT
 TGCCAGGTCCCGGAGACCCAGCCGGCTGACGGTGAAGTATGACCGGGGTCACTGCAGCGCTGGCTGGA
 GATGGAGCAGTGGGTAGATGCTCAGGTCCAGGAACCTTCCAGGGTCAAGAAGAATCTTCTGAGCCAGAG
 ATTGATCTGGAAGCTCTCATGGACTTGTCACAGAAGATCAAAGGACACAGCTGGAGGCCATTCTCCAAG
 ACTGCCCAGGCAACAGAGAGCCTTTATCTCTGAGCTACTCAGTCAACTCAAGAGACTTCGGAGACTCAG
 CAGGCCTTCGAAATAATCCTGGAGGGACCATCTCCTGAAGCCTCAGCACTGCCAGGATCCACATTCCTGA
 CCTGGATACTGGCTGAAAAGTCTTGATATGGACAAGAACTGCAGAAGACAAAGAGAGACTTGTATAG
 CCCACACTTGCAATATGCAGCCACAGCTGGCTCTCAGTTGGGCTATCTGGGAGTCAGCTGTAGTTTTGTCT
 AATGCTTTTCTTAGCAGCCAAGATAAACCTTTAGGAACCCAGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA AAAAAAAAAAAAAAAAAAAAAA

Restriction Sites:	RsrII-NotI
ACCN:	NM_028104
Insert Size:	441 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	BC024547 , AAH24547
RefSeq Size:	791 bp
RefSeq ORF:	441 bp
Locus ID:	72112
UniProt ID:	Q7TT52
Cytogenetics:	2 E5
Gene Summary:	Inhibitor of PPP1CA. Has inhibitory activity only when phosphorylated, creating a molecular switch for regulating the phosphorylation status of PPP1CA substrates and smooth muscle contraction (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) lacks an alternate exon that results in a frameshift in the 3' coding region, compared to variant 1. The encoded isoform (b) has a distinct C-terminus and is shorter than isoform a.