

Product datasheet for **RN212650**

Ppp1r14d (NM_172011) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppp1r14d (NM_172011) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ppp1r14d
Synonyms:	Gbpi
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN212650 representing NM_172011 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGTCGTCGAAGCGCTGCTTCTGTACATCTCCCAACCCTGACACAGACAACCCAGACAAGAAGGTCC
GCTGGTCTTCTGAGAAGAGAAGGAGGGCATCATCCACAGACTCAGAGTCAAAGACTCACTTGGACATTTCT
TAAGTTGCCAGGTCCCGGAGACCCAGCCGGCTGACGGTGAAGTATGACCGGGTCACTGTCAGCGCTGG
CTGGAGATGGAGCAATGGGTAGATGCTCAGGTTCAAGAACTCTTCCAGGGTCAAGCAGATACTTCTGAGC
CCGAGATCGATCTGGAAGCTCTAATGGAATTGTCCACAGACGAGCAAAGGACTCAGCTGGAGGCCATTCT
CCAAGACTGCCAGGCAACAGAGAGCCTTTTATCTCTGAGCTACTCAGTCAACTCAAGAGACTTCGGAGA
CTCAGCAGGCCTTCGAA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_172011
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).


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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:	<u>NM_172011.1, NP_742008.1</u>
RefSeq Size:	757 bp
RefSeq ORF:	441 bp
Locus ID:	259226
UniProt ID:	<u>Q8K3F4</u>
Cytogenetics:	3q35
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]