

Product datasheet for **RC212164**

PPP1R3F (NM_033215) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP1R3F (NM_033215) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PPP1R3F
Synonyms:	HB2E; LLOXNC01-7P3.1; R3F
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RC212164 representing NM_033215
 Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGCTACGGCCCTGTGGAGCCCCGCTGCGGCATTCCGCGCCCCCTCGCCGGCCGCGGGTGA
 CCCGCACCTCGGTCGAGGCGGGTGGCCCCGCGAGGGTGTGTTCGCGACGAGGCCCTGGGGCTGCC
 GCTGGCGCAGTTGCGCCGCTACCGGCCGTGGGGCGGGCCCGGGCGGGCAAGATGGCGGGCGGGCGGG
 CAAGATGGCGGGCGGGCGGGGCGGACGAGGACGACGATGGCGAGGATGGGGATGAAGGGGAGGAGG
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 CTCTGGCTTGGTTCTCA

CTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACG
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Protein Sequence: >RC212164 representing NM_033215
 Red=Cloning site Green=Tags(s)

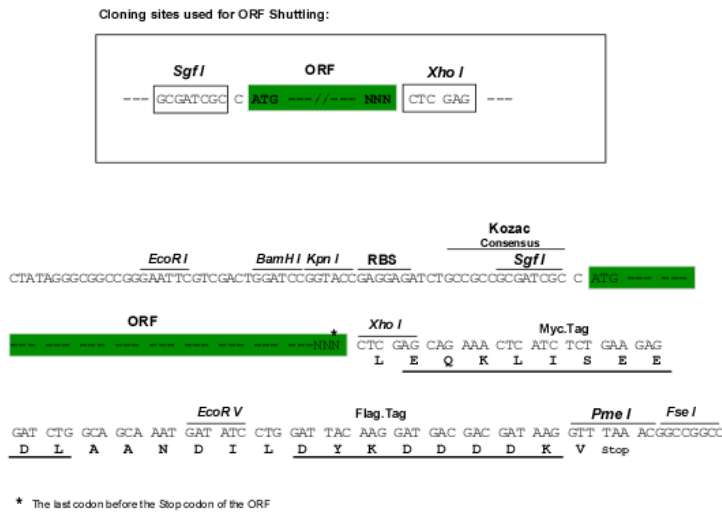
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 VLGTEGQFIGDPEKGMKDTSSLHMNRVIAGVTESLGEAGTEAQIEVTSEWAGSLDPIISGKEPASPVLQ
 GQNPTLLSPLGAEVCLSSVARPHVSSQDEKDAGPSLEPPKKSPTLAVPAECVCALPPQLRGPLTQTLGVL
 AGLVVVPVALNSGVSLLVLALCLSLAWFS

LEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg2877_f01.zip

Restriction Sites: SgfI-XhoI

Cloning Scheme:



ACCN: NM_033215

ORF Size: 2397 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [NM_033215.5](#)

RefSeq Size: 2941 bp

RefSeq ORF: 2400 bp

Locus ID: 89801

UniProt ID: [Q6ZSY5](#)

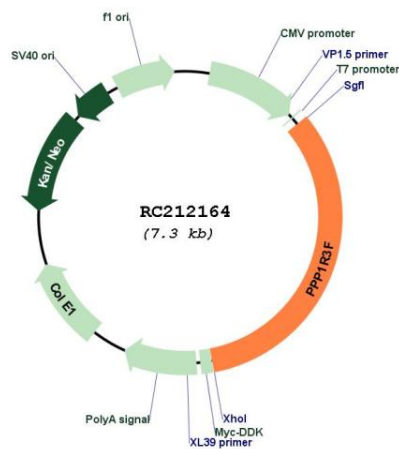
Cytogenetics: Xp11.23

Protein Families: Druggable Genome, Transmembrane

MW: 82.6 kDa

Gene Summary: This gene encodes a protein that has been identified as one of several type-1 protein phosphatase (PP1) regulatory subunits. One or two of these subunits, together with the well-conserved catalytic subunit, can form the PP1 holoenzyme, where the regulatory subunit functions to regulate substrate specificity and/or targeting to a particular cellular compartment. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2010]

Product images:



Circular map for RC212164