

Product datasheet for **RG212164**

PPPIR3F (NM_033215) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	PPPIR3F
Synonyms:	HB2E; LLOXNC01-7P3.1; R3F
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence: >RG212164 representing NM_033215
 Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGGCCGGGAATTTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGC

ATGGCGCGTACGGCCCTGTGGAGCCCCGCTGCGGCATTCGCGCCCCCTCGCCGGCCGCGGGTGAGC
 CCCGCACCTCGGTGAGGCGCGGTGGCCCCGCGAGGGTGCTGTTCCGCCACGAGGCTTGGGGCTGCC
 GCTGGCGCAGTTGCGCCGCTACCGCCGTTGGGCGGGCCCGGGGCGGGCAAGATGGCGGCGCGCGCGG
 CAAGATGGCGGCGCGCGCGGGGCGGACGAGGACGACGATGGCGAGGATGGGGATGAAGGGGAGGAGG
 AAGAGGAGGCTTGGCCGAGCCCTACCGCTGTGCCCGTCCCGCTGGCGGGGGTTTACCTGGTCCC
 CACATTTTCGCTGCCGCCGCGCGGGCCGTCTGGAGCGCTTGGGGCGCGTCATGGTGGAGCTGGAGGCG
 CTGCTGCCGCTCCCGAGCGGTCCCGGGGTGCCGGGTGTGGGTGCCTGGGGCGCGCCCGCGGTGC
 TCGCGGGTGGTACGCGTGTGAACCGCTCCTTCGAGAAGCGGTGCACGTGCGGGCTCACACGACGG
 CTGGGCTTCTTTTGGACACCCAGCGCTACGTCCCGCGCAGCCCGCGTGGGCAGGAGCGGGAGGA
 ACAGGAGCAGGAGATCCCATCTGGATCCGGGCTCGGCTGGGTCCCGCCAGGCATCCGCTCCTCGC
 CCGACGACGGCGCGCCGACCGACCGCTTGCCTTCCAGCTGCCCTTGTGAGGGCGCGGGCGATGGGGC
 GCGCTCGACTTCGTGGTGGCTATGAGACCCCTGAGGGCACTTTCGGCCAAACAACACGGCCGAAC
 TACACAGTCTGCTCCGGATCGCACCCGCTCCACACCCACTGATGCCGAAGGGCTGCCACGACGAGC
 AGCTGCCGAGCTGGAGCCACAGCCGAGTGCCAGGGTCCCGTGGAGGCTGAGGCCAGGCAGCTGAAGAG
 CTGCATGAAGCCGGTGAAGCGAGGCTGCCGAGGAGAACTGAAGACGAAGAATGGATGATAACACC
 TTTGCCATGGCAGAGCATCCTGATGCCAGGAGTCAGTGGGTCCACTGGTAGCCCCACCCCTCTCCGTC
 CATGGCCCCAGATGACACTTCAGGTTTCTGACGTTCCGATGACTGGCAACCCCGCAGAAGAAGGTGATGT
 CCCCAGAAGCAGTCCACCTGTGGCTTTACAGAGGTCTCCAGGCACCGGCCATCAGGATCCCCCTCC
 TCCCCTCTCTGTGGCTGGGTGGTCCCCCAGAGACAGGCCTCAGGGCCCGATGCGAGCGAGGGGGCCA
 CCGGGCCTTTCCTGGAGCCAGTCAGCAGCAGGAGGACATGGGGAGTATCGAGTGAGATGGAGG
 GGGGCTGGAGGCTGTGAGTGGGTGAGAGGCTGCTCGGTGAGGACCATCGACAGGAGCTGGAGCAG
 CTCTACCTGTCTACCTGAGCCGCTACGGGCTGCTGTGGCTGCGGGTGGGGCAGGGGGTGGTGGGAGG
 GCTCCACAGATGGAGGGATGTCCCCAGCCATCCCCTGGGCATACTGACGGACCGGACCTGATCTTGAA
 GTGGCTTGGCCCTGAGCGGGCCCTGAACAGCGCCCTGGCTGAGGAGATCAGCTGCACTATGCCGGCTG
 GGGCGTGGCGTGGAGCTCATCAAGGACCCGAAGACCTGATGATGAAGGGGAGGGTGAAGAGGGCTCT
 CTGTACACCCCTCCAGCCAGAAGGGGACAGCCCAAGGAATCGCCTCCAGAAATCCTCTCCGGGGCCCG
 TTCTGTGGTAGCCAGATGGGAGATGTGTGGTCCCATGGGCAGAGGGCTCAGGATGTGACGGCCCTGTG
 GTTCTGGGTACAGAGGGTCAGTTTATTGGGGATCCTGAGAAAGGGATGGCAAGGACACAGCTCTTGC
 ACATGAATAGGGTGATAGCTGGGGTGACTGAGTCCCTGGGGAGGCCGGGACAGAAGCCAGATAGAGGT
 CACCAGTGAGTGGGACAGCAGCTTGGATCCCATATCTGGCAAGGAGCCAGCCTCTCCGTCCTTCTGCAG
 GGGCAAAATCCACCCCTCTCAGTCCCTTGGGGCCGAAGTCTGTCTCTAGTGTAGCCAGGCCTCATG
 TGAGCTCCAGGATGAAAAGGATGCAGGCCAAGCCTGAACCCCCAAAGAAGTCTCCACCCCTAGCAGT
 CCCTGCAGAAATGTGTGTGCACTGCCTCCTCAGTCCGGGGCCCTTGACCCAGACTCTGGGGTCTG
 GCCGGGCTAGTGGTGGTCCCTGTGGCTCTGAACAGCGGTGTGTCCCTCCTGGTCTTGCCTGTGCCTCT
 CTCTGGCTTGGTTCTCA

CTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG212164 representing NM_033215

Red=Cloning site Green=Tags(s)

MARTAPVEPLRHSAPSPAAGEPRTSVEAAVAPRRVLFADALGLPLAQLRRYPWGGPGAGKMAAAAG
QDGGGGGGADEDDGDGEDGEEEEACPEPSPLCPVPAGGGFYLVPTFSLPPAPGRLERLGRVMVELEA
LLPPPGAVPGGAGVWPGGRPPVLRGLVRVLNRSFEKAVHVRASHDGWASFCDHPARYVPRSPPWAGAGG
TGAGDPIIDPGLGLPGQASASSPDDGGRTDRFAQLPFAEGAGDARLDFVRYETPEGTFWANNHGRN
YTVLLRIAPAPTPTDAEGLPQQQLPQLEPQCEQGPVEAEARQLKSCMKPVRRRPAEEELKTKNMDDNT
FAMAEHPDVQESVGPLVAPTPLRPWPQMTLQVSDVPMGTGNPAEEGDVPRSSPPVAFTEVLQAPAIRIPPS
SPLCGLGGSPRDQASGPDASEGATGPFLEPSQQQAEATWGVSSENGGLLEAVSGSEELLGEDITDQLEQ
LYLSHL SRLRAAVAAGGAGGGEGSTDGGMSPSHPLGIL TDRDLILKWPGERALNSALAEI TLHYARL
GRGVELIKDTEPDDEGEDEGLSVTPSSPEGDSPKESPPPEILSGARSVVATMGDVWLPWAEGSGCDGPV
VLGTEGQFIGDPEKGMKDTSSLHMNRVIAGVTESLGEAGTEAQIEVTSEWAGSLDPISGKEPASPVLLQ
GQNPTLL SPLGAEVCLSSVARPHVSSQDEKDAGPSLEPPKKSPTLAVPAECVCALPPQLRGPLTQTLGLV
AGLVVVPVALNSGVSLVLALCLSLAWFS

LE - GFP Tag - V

Restriction Sites:

SgfI-XhoI

Cloning Scheme:



ACCN:

NM_033215

ORF Size:

2397 bp

OTI Disclaimer:

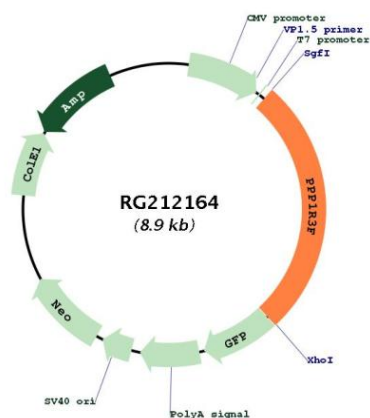
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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
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 RG212164