

Product datasheet for **SC328748**

PPPIR3F (NM_001184745) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	PPPIR3F
Synonyms:	HB2E; LLOXNC01-7P3.1; R3F
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC328748 representing NM_001184745. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGATGATAACACCTTTGCCATGGAGCATCCTGATGTCCAGGAGTCAGTGGGTCCACTGGTAGCCCC
ACCCCTCTCCGTCCATGGCCCCAGATGACACTTCAGGTTTCTGACGTTCCGATGACTGGCAACCCGCA
GAAGAAGGTGATGTCCCAAGAAGCAGTCCACCTGTGGCTTTACAGAGGTCCTCCAGGCACCGGCCATC
AGGATTCCTCCCTCTCTGTGGCTGGTGGCTCCCCAGAGACCAGGCCTCAGGGCCGAT
GCGAGCGAGGGGCCACCGGCCTTCTGGAGCCAGTCAGCAGCAGGCAGAGGCCACATGGGAGTA
TCGAGTGAGAATGGAGGGGGCTGGAGGCTGTGAGTGGGTGAGGAGCTGCTCGGTGAGGACACCATC
GACCAGGAGCTGGAGCAGCTCTACCTGTCTCACCTGAGCCGCTACGGGCTGCTGTGGCTGCGGGTGGG
GCAGGGGGTGGTGGGAGGGCTCCACAGATGGAGGGATGTCCCCAGCCATCCCCTGGGCATACTGACG
GACCGCAGCTGATCTTGAAGTGGCTGGCCCTGAGCGGGCCCTGAACAGCGCCCTGGCTGAGGAGATC
ACGCTGCACTATGCCCGCTGGGGCGTGGCGTGGAGCTCATCAAGGACACCGAAGACCCTGATGATGAA
GGGAGGGTGAAGAGGGGCTCTGTGCACACCTCCAGCCCAGAAGGGGACAGCCCCAAGGAATCGCCT
CCAGAAATCCTCTCCGGGGCCGTTCTGTGGTACCCAGATGGGAGATGTGTGGCTCCCATGGGCAGAG
GGCTCAGGATGTGACGGCCCTGTGGTCTGGGTACAGAGGGTCAGTTATTGGGGATCCTGAGAAAGGG
ATGGGCAAGGACACAGCTCTTTGCACATGAATAGGGTGATAGCTGGGGTGACTGAGTCCCTGGGGGAG
GCCGGGACAGAAGCCAGATAGAGGTACCAAGTGAAGTGGCAGGCAGCTTGGATCCCATATCTGGCAAG
GAGCCAGCCTCTCCGTCCTTCTGAGGGGCAAAATCCACCCCTCCTCAGTCCCTTGGGGGCCGAAGTC
TGTCTCTAGTGTAGCCAGGCCTCATGTGAGCTCCAGGATGAAAGGATGCAGGCCCAAGCCTTGAA
CCCCAAAGAAGTCTCCACCTAGCAGTCCCTGCAGAATGTGTGTGCACTGCCTCCTCAGCTCCGG
GGGCCCTTGACCCAGACTCTGGGGGTCTGGCCGGGCTAGTGGTGGTCCCTGTGGCTCTGAACAGCGGT
GTGTCCCTCCTGGTGTGGCTGTGCCTCTCTGGCTTGGTTCTCATAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001184745
Insert Size:	1362 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001184745.1
RefSeq Size:	2505 bp
RefSeq ORF:	1362 bp
Locus ID:	89801
UniProt ID:	Q6ZSY5
Cytogenetics:	Xp11.23
Protein Families:	Druggable Genome, Transmembrane
MW:	46.6 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]

Transcript Variant: This variant (2) lacks a portion of the 5' coding region, uses a downstream start codon, and uses an alternate in-frame splice site in the central coding region, compared to variant 1. The resulting isoform (2) is shorter at the N-terminus and lacks an internal residue, compared to isoform 1.