

## Product datasheet for **SC127858**

### PPFIA4 (NM\_015053) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PPFIA4 (NM_015053) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPFIA4
Synonyms:	Liprin-alpha4; liprin alpha4; protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 4
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_015053, the custom clone sequence may differ by one or more nucleotides

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ATGGGCAGTGCAGCAGACGTGCGGTTCTCCCTGGGCACAACCACACACGCCACCCCGAGCGTGCATCGCC
GCTACTCGGCATTGAGGGAAGAGTCTGCCAAGGACTGGGAGACTTCTCCACTGCCTGGGATGCTGGCCCC
GGCAGCTGGCCCTGCCTTTGACAGTGACCCTGAGATCTCCGACGTGGATGAGGATGAGCCAGGGGTCTG
GTGGGCTCTGCGGATGTTGTCTCCCCAGCGGCCACTCAGATGCCAGACCCTGGCCATGATGCTGCAGG
AGCAGCTGGATGCCATCAATGAGGAAATCAGGATGATTACAGGAAGAGAAGGAGTCCACGGAGCTCCGCGC
GGAGGAGATTGAGACGCGTGTAAACCAGTGGCAGCATGGAAGCCCTAAACCTGAAGCAGCTGCGCAAGCGT
GGTTCCATCCCCACCTCTCTGACGGCCCTGTCCCTGGCCAGCGCTCCCCACCACTCAGCGGCCGCTCCA
CACCTAAGCTCACCTCCCGCAGTGTGCCAGGACCTGGACCGAATGGGGGTGATGACCTGCCAGTGA
CTTAAGAAAGCATAGGAGGAAGCTGCTGTCCAGTGTCTCGGAAGAGAACCGAGAGGATAAAGCCACC
ATAAAATGTGAGACTTCTCTCTTCTCACCCAGGACGCTGCGGCTAGAGAAGCTTGGCCACCCAGCCC
TGAGCCAGGAAGAAGCAAGAGTGCCTTGAGGATCAGGGCAGCAACCCAGCAGCAACAGCAGCCA
GGACTCCCTGCACAAGGGCGCCAAGCGCAAGGGCATCAAGTCGTCCATTGGCCCGCTGTTTGGGAAGAAG
GAGAAGGGCAGGCTGATCCAGCTGAGTCGGATGGAGCCACAGGCCATGTTCTGCTAACAGACTCCGAAT
TCAGTATGCAGGAGCCTATGGTGCCTGCCAAGCTGGGGACCCAGGCAGAGAAGGACCGGCGGCTAAAGAA
GAAACACCAGCTGCTTGAAGATGCCCGCAGGAAAGGAATGCCCTTTGCCAGTGGGATGGTCTACTGTG
GTCTCCTGGTTGGAGCTCTGGGTGGGATGCCTGCCTGGTATGTGGCAGCCTGCCGGCCAACGTCAAGA
GTGGTGCCATCATGTCCGCTCTGTCCGACACAGAGATCCAGCGGGAGATCGGCATCAGCAATGCCCTGCA
CCGGCTCAAGCTCCGCTGGCCATTGAGGATGGTGTGATTGACCAGCCCTCTGCCCCACCCACCTCC
AGGACTTCTTCTGGGAATGTCTGGGTACCCATGAAGAGATGAAACTCTGAAACATCTACTAAAACAG
ACAGTGAGGAGGGCAGCTGGGCTCAGACCCTGGCCTATGGGGACATGAACCATGAGTGGATTGGGAATGA
ATGGCTACCCAGCCTGGGCTCCCGCAGTACCGCAGTACTTTCATGGAGTGCCTGGTGGACGCCCGCATG
CTGGACCCTCACCAAGAAGGACCTGCGGGTCCACCTGAAGATGGTGGACAGCTTCCATCGAACAGTCT
TTCAGTATGGCATCATGTGTCTGAAGAGGCTGAATTATGACCGGAAGGAGCTGGAGAAGAGGCGAGAGGA
GAGCCAGCATGAGATCAAGGATGTGTTAGTCTGGACCAACGACCAGGTGGTTCATTGGGTCCAGTCTATT
GGGCTCCGGGACTACGCAGGAACTGCATGAGAGTGGTGTGCATGGAGCCTTGTGGCCCTGGACGAGA
ACTTCGACCACAACACTGGCCCTGATCCTCCAGATCCCACACAGAACACCCAGGCACGCCAAGTGTG
GAAAAGAGAGTTCAATAACCTGTTGGCCTTGGGCACAGACCGGAAGCTGGATGACGGGGATGACAAGGTG
TTTCGCCCGCGCCCTCCTGGAGGAAGCGCTTCCGGCCGCGGGAGCACCCAGGTCGCGGGCGCATGCTCA
GCGCTTCCGCGGAGACCCTCCCGCGGGCTTCCGTGTGTCCACCCTGGGGACCCTGCAGCCCCACCCGGC
CCCGCAAAGAAGATCATGCCTGAAGCTCACTCCCACTATCTCTACGGACACATGCTCTCCGCTTCCGG
GACTAG
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_015053 unedited</p> <pre> AGGGATGACACTGCTTATCGCATCTCACTCTCCTCCGCGCGGAGCTCCGTGGACTCCTTC TCTTCCTGAATCATCCTGATTTCTCATTGATGGCATCCAGCTGCTCCTGCAGCATCATG GCCAGGGTCTGGGCATCTGAGTGGCCGCTGGGGGAGACAACATCCGCAGAGCCCACCAGA CCCCCTGGCTCATCTCATCCACGTCCGAGATCTCAGGGTCACTGTCAAAGGCAGGGCCA GCTGCCGGGGCCAGCATCCCAGGCAGTGGAGAATTCTCCATTCTTTGGCAAACCTTCC CTCAATGCCGAGTAGCGGCGATGCCCCCTGGGGTTCTTGTGTGGTTGTCCCCAAGGAA AACCGCACTTCTGCTGCTGCTGCCAATGTTCAACCTTGGATGGGACCAATCCAAAAAGGGC ACACCTGGGCCCTCTATCTGGTCAACCTCTTGGCCCAAATTCTAAATCTTCTTCAAACGG AAAGCAAATTGGGTGGGACAGCTACTCATTACGCCACGATGGAAAAGTAGAAAAAGTCA GGAAGAAAAGTAGTATTATCACGAAGGGAAGAAGACTAGGGAGCACTTAAGAAGATAACA TATGAAGAAAAAATAAGACAGAAGGAGAGAAAAGGATGATAGTTTACATAAAAAAGATGG AAAGGGATGTAAGAAGAGAGAACTTTNTATCATCTCCTCCNCCGTACNNNTAACAAATTC TTCACAGAAAAANATAAGAAGAGGGGAGAGAAAAGAGAGGAAGANANNNCAAAGANAAA GGAGTAAGCCTATTAGAAAAAGGAAGAAGCACTATAAAGAAGCAGAGAGAGGTGGCAAA GGGAAAAAGATAGGAGTAGAGAGCTAGAAAAGGAAGATGTTAACGTGTAAGAGAGAAGAA GAGTGCGATAGG </pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_015053 unedited</p> <pre> TCCAGGCCCGGAGAGGCACTGGGGAGGGGTACAGGGATGCCACCCGGGATCTGTTCCAGG AAACAGCTATGACCGCGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTGGG GTGCCGAGGGGTGGACGAATATATTCTGAGATCCAGGGCAACCGGAAAGTCACGGACGA GACTAGGAGCTGCGGAAGGAAGGGAACGAGCAGGAGGGGTGAGGCCAGAGGAGCCTGT GAAACCCAGAAGGAGGAAGCCAGCCCTGGGGGCCATGGCTAGTCCCGAAAGCGGAGAAG CATGTGTCCTAGAAAATAGTGGGAGTGAGCTTCAGGCATGATCTTCTTTGGCGGGGCCGG TGGGGGCTGCAAGGTCCCAGGGTGGACACACGGAAGCCCGCCGGGAGGGTCTCCGCGGA AGCGCTGAACATGCCCGCGACCGTGGTGTCTCCGCGGGCGGAAGCGCTTCTCCGAGA AGGCGCGGGCGAAACACCTTTGTATTCCCGTCATCCAATTTCCGTCTGTGCCCAAAGC CCACAAGGTAATTGACTTTTCTTCCATCACTTCCGTTGCCTGGTGGTTCTGTGGTGGG ATCTTGAGGATCTGGGCCATGTGTTTCGGTCGAAATTCTCGTCAAGGCCAACAGGGGTCC TGGCACCCAATCTCATGCAGTTTTCTTGCGAATCCCGAACCCATAAATGGGACCAAGGA ACCCCGGTGATGGTCAAATTAATAAACTTGAATCAGGTGGCTTCATTTGCCTTTTTCAC GTCTTCGAAAAATACCCTACAACAGAGGCCACGC </pre>
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_015053
<b>Insert Size:</b>	3400 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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:** [NM\\_015053.1](#), [NP\\_055868.1](#)

**RefSeq Size:** 5055 bp

**RefSeq ORF:** 2106 bp

**Locus ID:** 8497

**Cytogenetics:** 1q32.1

**Protein Families:** Druggable Genome, Phosphatase

**Gene Summary:** PPFIA4, or liprin-alpha-4, belongs to the liprin-alpha gene family. See liprin-alpha-1 (LIP1, or PPFIA1; MIM 611054) for background on liprins.[supplied by OMIM, Mar 2008]