

Product datasheet for **SC337511**

Plakophilin 3 (PKP3) (NM_001303029) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plakophilin 3 (PKP3) (NM_001303029) Human Untagged Clone
Tag:	Tag Free
Symbol:	PKP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_001303029, the custom clone sequence may differ by one or more nucleotides

```

ATGGAGTCTGGACACCTCGGCCGTCAGCAGTGGCCTCTGGGATGAGCTGGGAGGCTGGCGGGATCCGGA
CCACGAGCCGGCCTGAGCCGGCGTGTGCTCCCTGGCGTGCCCTTGACCTGCAGCTGGACCCCGGGG
CGCCGAGGGGCCGAGGGCCGAGCGGCTGCGGGCAGCCCGCTCCAGGAGCAGGTCCGCGCCCGCCTTTG
CAGCTGGGACAGCAGCCCGGCACAACGGGGCCGCTGAGCCCGAGCCTGAGGCCGAGACTGCCAGAGGCA
CATCCAGGGGGCAGTACCACACCCCTGCAGGCTGGCTTCAGCTCTCGCTCTCAGGGCCTGAGTGGGACAA
GACCTCGGGCTTCGGGCCATCGCCAAGCCGGCTACAGCCAGCCTCCTGGTCCTCCCGCTCCGCGGTG
GATCTGAGCTGCAGTCGGAGGCTGAGTTCAGCCACAACGGGGCAGCGCCTTTGGGGCCGCTGGGTACG
GGGGTGCCAGCCACCCTCCCATGCCACCAGGCCGTGTCTTCCATGAGCGCGGTGGGGTTGGGAG
CCGGGCCGACTATGACACTCTCCCTGCGCTCGCTGCGGCTGGGGCCCGGGGGCCTGGACGACCCTAC
AGCCTGGTGTCTGAGCAGCTGGAGCCCGCGCCACCTCCACCTACAGGGCCTTTGCGTACGAGCGCCAGG
CCAGCTCCAGCTCCAGCCGGGCAGGGGGCTGGACTGGCCGAGGCCACTGAGGTTTCCCGAGCCGGAC
CATCCGTGCCCTGCCGTGCGGACCTGCAGCGATTCCAGAGCAGCCACCGGAGCCGCGGGGTAGGCGGG
GCAGTGCCGGGGCCGCTCCTGGAGCCAGTGGCTCGAGCGCCATCTGTGCGCAGCCTCAGCCTCAGCCTGG
CTGACTCGGGCCACCTGCCGGACGTGCATGGGTTCAACAGCTACGGTAGCCACCGAACCTGCAGAGACT
CAGCAGCGGTTTTGATGACATTGACCTGCCCTCAGCAGTCAAGTACCTCATGGCTTCAGACCCCAACCTG
CAGGTGCTGGGAGCGGCCTACATCCAGCACAAGTGTACAGCGATGCAGCCGCAAGAAGCAGGCCCGCA
GCCTTCAGGCCGTGCCTAGGCTGGTGAAGCTCTCAACCACGCCAACCAGGAAGTGCAGCGCCATGCCAC
AGGTGCCATGCGCAACCTCATCTACGACAACGCTGACAACAAGCTGGCCCTGGTGGAGGAGAACGGGATC
TTCGAGTGTGCGGACACTGCGGGAGCAGGATGATGAGCTTCGCAAAAATGTACAGGGATCCTGTGGA
ACCTTTTCATCCAGCGACCACCTGAAGGACCGCCTGGCCAGAGACACGCTGGAGCAGCTCACAGACCTGGT
GTTGAGCCCCCTGTGCGGGGCTGGGGTCCCCCCTCATCCAGCAGAACGCCCTCGGAGGCAGAGATCTTC
TACAACGCCACCGGCTTCTCAGGAACCTCAGCTCAGCCTCTCAGGCCACTCGCCAGAAGATGCGGGAGT
GCCACGGGCTGGTGGACGCCCTGGTCACCTCTATCAACCACGCCCTGGACGCGGGCAAAATGCGAGGACAA
GAGCGTGGAGAACCGGTGTGCGTCTGCGGAACCTGTCTACCGCCTCTACGACGAGATGCCGCCGTCC
GCGCTGCAGCGGCTGGAGGGTTCGCGGCCGAGGACCTGGCGGGGGCGCCCGGGAGAGGTCTGGGCT
GCTTACGCCCGCAGAGCCGGCGGCTGCGCGAGCTGCCCTCGCCCGCGATGCGCTCACCTTCGCGGAGGT
GTCCAAGGACCCCAAGGGCCTCGAGTGGCTGTGGAGCCCCAGATCGTGGGGCTGTACAACCGGCTGCTG
CAGCGCTGCGAGCTCAACCGGCACACGACGAGGCGGCCCGGGGCGCTGCAGAACATACGGCAGGGC
ACCGCAGGTGGGCGGGGGTGTGAGCCGCTGGCCCTGGAGCAGGAGCGTATTCTGAACCCCTGTAGA
CCGTGTGACGACCGCCGACCACCAGCTGCGCTCACTGACTGGCCTCATCCGAAACCTGTCTCGGAAC
GCTAGGAACAAGGACGAGATGTCCACGAAGGTGGTGGCCACCTGATCGAGAAGTGCAGGGCAGCGTGG
GTGAGAAGTGCAGCCAGCGAGGTGCTGGTCAACATCATAGCTGTGCTCAACAACCTGGTGGTGGCCAG
CCCCATCGCTGCCCGAGACCTGCTGTATTTGACGGACTCCGAAAGCTCATCTTCATCAAGAAGAAGCGG
GACAGCCCCGACAGTGAGAAGTCTCCCGGGCAGCATCCAGCCTCCTGGCCAACCTGTGGCAGTACAACA
AGCTCCACCGTACTTCCGGGCGAAGGGCTATCGGAAGGAGACTTCTGGGCCCATAG
    
```

Restriction Sites: SgfI-MluI

ACCN: NM_001303029

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).

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: [NM_001303029.1](#), [NP_001289958.1](#)

RefSeq Size: 2843 bp

RefSeq ORF: 2439 bp

Locus ID: 11187

UniProt ID: [Q9Y446](#)

Cytogenetics: 11p15.5

Gene Summary: This gene encodes a member of the arm-repeat (armadillo) and plakophilin gene families. Plakophilin proteins contain numerous armadillo repeats, localize to cell desmosomes and nuclei, and participate in linking cadherins to intermediate filaments in the cytoskeleton. This protein may act in cellular desmosome-dependent adhesion and signaling pathways. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2014]
Transcript Variant: This variant (2) encodes the longer isoform (PKP3b).