

## Product datasheet for **SC126928**

### **DPPA4 (NM\_018189) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	DPPA4 (NM_018189) Human Untagged Clone
Tag:	Tag Free
Symbol:	DPPA4
Synonyms:	2410091M23Rik
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_018189 edited
GCAGGGGCCATTTTGAAGCATGTTGCGAGGCTCCGCTTCTTCTACAAGTATGGAGAAGG
CAAAGGCCAAGGAGTGGACCTCCACAGAGAAGTCGAGGGAAGAGGATCAGCAGGCTTCTA
ATCAACCAAAATCAATTGCTTTGCCAGGAACATCAGCAAAGAGAACCAAAGAAAAATGT
CTATCAAAGGCAGTAAAGTGCTCTGCCCTAAGAAAAAGGCAGAGCACACTGACAACCCCA
GACCTCAGAAGAAGATACCAATCCCTCCATTACCTTCTAAACTGCCACCTGTTAATCTGA
TTCACCGGGACATTCTGCGGGCCTGGTGCCAACAATTGAAGCTGAGCTCCAAAGGCCAGA
AATTGGATGCATATAAGCGCCTGTGTGCCTTTGCCTACCCAAATCAAAGGATTTTCCTA
GCACAGCAAAAAGAGGCCAAAATCCGAAAATCATTGCAAAAAAAATTAAGGTGAAAAAGG
GGGAAACGTCCTGCAAAGTTCTGAGACACATCCTCCTGAAGTGCTCTTCTCCTGTGG
GGGAGCCGCTGCCCTGGAAAATCCACTGCTCTCCTTGAGGGAGTTAATACAGTTGTGG
TGACAACCTTGCCCCAGAGGCTTTGCTGGCCTCCTGGGCGAGAATTCAGCCAGGGCGA
GGACACCAGAGGCAGTGAATCTCCACAAGAGGCCTCTGGTGTGAGTGGTGTGTGGTCC
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AAGCCTGGGTTCCAGAAAAGCAAGAAGGGAGAGTGAGTGCACCTTCTTGCTTCTCGCT
CCAATTTTCCACCCCGCACCTTGAAGACAATATGTTGTGCCCAAATGTGTTACAGGA
ACAAGGTCTTAATAAAAAGCCTCCAATGGGAATAGAATATCAGGAAAAAGGCCACATCTA
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ACTACTTTTCTAAAATAGACATGACTTCAGCAGCAGCTTTTTTTTGTGATTTTTGAGAC
AGTGTCTCACTGTTGCCAGGCTGGAGTGCAGTGGTGAATCTCAGTTCAGTGAATCTC
CGCTCCTGGGTTCAAATGATTCTCCTGCCTCAGCCTCCTGAGTAGCTAGGTACAGGCAC
CTGCCACCACACCAGCTAATTTTTTGTATTTTTAGTAGAGATGGGGTTTACCATGTTG
GCCAGGTTGGTCTCAAATCCTGGACTCAAGTGATCACCCCTCCTCAGCCTCCAAAATGC
TGGGACTATGGGCATGAGCCCCTGCGCCTGACCTTCAACAGCTCTTTAAGTGAGTTCTT
CAGCTAAGCATTGTGATGGACTTGAGTAAAATGGTAGTTGGCTCTGTGCTCAATTTTCT
CTTCTCTGAACACTGACTACTTTAGGAGCTGCTTCATCCAATTGCAATTTCAAAAAC
GTAAGTATTTAAGGCAAAGAAAGGCTGTTAATCCCTCCCTCCCCAAAACACATGATT
TTAATATCTAAACAATATTTTTCAAAGTTCTCTTAATAACCTGAGATTTCTATGGTTT
GACTCCAGGATCAAACACAAGGACTTTGTATTATTTCACTTATAATTGTTTTGTATAT
TTCTGGAGTTTAAAATGTTAAGGTTGCTTCCCGCTCATAAATACATAATATATTGAATT
TAAAATGTGTTTATTAACCGATTCTCCATAAATAAAAATAAGATGTGTATGTAATAAT
TCATCTGTTGATTTAGAGAACCATATTCATTGCATGCAAATTTTATTGTTAGTGTCTT
AACTCAAGTAGGAGTAAACAAAAGTGTGATTTTTCTTTTGTATGACTCGTTTGTCTT
TATTAGTTGGTGGTATGGGTTGGATCATTGTTTTTAAACTACTTAGGTATGATTCACA
TACAAAAAGCTGCACATATTTAATGTATCCTATTGTGTAATTAATTTTTAATTTTTTGT
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ATTTAATGACAGTTTCCAACATTGTTTTGTTATTACAAGTAGGGATCTTTTTTTTTGCC
CGTTTAATGAAGATACTAAAAATAATGCACTGGAAGGAGTGAAGAGTTGAAAAATTTGT
AACCATCATAATACAGGTGTAATAGGTTTGGGAAAGAAATCCTCAAAAATGTTAAAGCAAG
GGAGGAAAGTTTGTGAGAAGCAAGATGTTCTTCTCCTGCCCGCCCCCCCCGTTGGTT
GTTGGTGGTCAGAATTATTGTGTAATAAATAATAGACATTTTTTCTTAAAAAATAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_018189 unedited NNGGGGTGTCAGCATTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGGC AGGGGCCATTTTGAAGCATGTTGCGAGGCTCCGCTTCTTCTACAAGTATGGAGAAGGCA AAAGGCAAGGAGTGGACCTCCACAGAGAAGTCGAGGGAAGAGGATCAGCAGGCTTCTAAT CAACCAAATTCATTGCTTTGCCAGGAACATCAGCAAAGAGAACCAAAGAAAAATGTCT GTCAAAGGCAGTAAAGTGCTCTGCCCTAAGAAAAAGGCAGAGCACACTGACAACCCGAGA CCTCAGAAGAAGATACCAATCCCTCCATTACCTTCTAAACTGCCACCTGTTAATCTGATT CACCGGGACATTCTGCGGCCTGGTGCCAACAATTGAAGCTGAGCTCCAAGGCCAGAAA TTGGATGCATATAAGCGCCTGTGTGCCTTTGCCTACCCAAATCAAAGGATTTTCTAGC ACAGCAAAGAGGCCAAAATCCGGAAATCATTGCAAAAAAATTAAGGTGGAAAAGGGG GAAACGTCCTGCAAAAGTTCTGAGACACATCCTCCTGAAGTGGCTCTTCTCCTGTGGG GAGCCGCTGCCCTGGAAAATCCACTGCTCCTTGAGGGAGTTAATACAGTTGTGGT ACAACCTCTGCCAGAGCTNTGCTGGCCTCCTGGGCGAGAATTCAGCCAGGGCGAGGA CCACCAGAGCAGTGAATCTNCACAAGAGCCTCTGGGTGTAGTGGTGTGTGGTCCATG GGAAAAGTCTCCTGCAGACCAGATGGTTGGGGTCACTGCAGTTCATGCTGGTCAAGCCT GGTTTCAGAAAGCAGAAGGNANAGTGAGTC
<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_018189 unedited TTTTTTTTTTTTTTTTAAAAAAGGTTTTTTTTTATTACCCAATAATTTTGACCACC AACACCAACGGGGGGGGCGGCAGGAAAAAAAACATTTTGTTTTAAACAACTTTCC TCCCTTGCTTTAACATTTTTGGGGATTTTTCCCAAACCTTTTACCCTGTTTTATGAGG GTTACAAATTTTCCAACCTTTCCACTCCTCCAGGGCATTATTTTTAGTATTTTCTTAA ACGGGCAAAAAAATCCCTACTTGTAAATAACAAAACAATGTTGGAACTGTCTTTA AATCGGGATAAGGGAAAAACAGATCTGTTCCCAAACCTCCAGGACTTTAAGTTTAGGAAG TCCCAAAAAAATTAATAATTATTTCCCAATTGGGATCCTTTAAATTTGGGCA
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_018189
<b>Insert Size:</b>	2560 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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_018189.2</a> , <a href="#">NP_060659.2</a>
<b>RefSeq Size:</b>	2584 bp
<b>RefSeq ORF:</b>	915 bp

Locus ID: 55211  
UniProt ID: [Q7L190](#)  
Cytogenetics: 3q13.13

**Gene Summary:** This gene encodes a nuclear factor that is involved in the maintenance of pluripotency in stem cells and essential for embryogenesis. The encoded protein has a scaffold-attachment factor A/B, acinus and PIAS (SAP) domain that binds DNA and is thought to modify chromatin. Mice with a homozygous knockout of the orthologous gene die during late embryonic development or within hours after birth. Knockout embryos are normal in size at embryonic day 18.5 but exhibit skeletal and lung tissue abnormalities. This gene, when mutated, is highly expressed in embryonal carcinomas, pluripotent germ cell tumors, and other cancers and is thought to play an important role in tumor progression. Multiple pseudogenes of this gene have been identified. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2017]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.