

## Product datasheet for **SC123157**

### DPPA2 (NM\_138815) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** DPPA2 (NM\_138815) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** DPPA2  
**Synonyms:** CT100; ECAT15-2; PESCRG1  
**Mammalian Cell Selection:** None  
**Vector:** [pCMV6-XL5](#)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_138815 edited  
GGGGATCAACTTGAGTCTGGGAACCTCAGCCAGGAATTCAAGACCAGCCTGGGCAACACAG  
TGAGGCCCCCTACCCACATCCTCTCCGTCCTCCGCAATCTCCTTCCATCCCAGGGTGTTC  
TGAAAATGTCAGATGCAAATTTGGATAGCAGCAAGAAGAATTTCTTGAGGGGGAAGTAG  
ATGATGAGGAAAGTGTGATTTTGACACTGGTGCCAGTTAAAGATGACGCAAAATATGGAAC  
AAATGGAACCAAGCGTTTCTCAACTTCTGATGTCAAAGCTGAGAAAGCTAAGAAATACA  
ATCCAGGTCATCTACTTCAAACAATGAGCAATTTACAGCTCCACAAAAAGCTAGATGCA  
AAATACCAGCCCTTCCCTTGCCGACATTTTGCCTCCATTAATAAGGTGTGTCGGGACA  
CTTTGCGGGACTGGTGTCAACAACCTCGGTTTGAGTACTAATGGCAAGAAAATCGAAGTTT  
ATCTGAGGCTTCATAGGCATGCTTACCCTGAACAACGGCAAGATATGCCTGAAATGTCAC  
AAGAGACCAGATTACAGCGATGTTTCGAGGAAACGCAAGGCAGTGACCAAGAGAGCAAGGC  
TTCAGAGAAGTTATGAGATGAATGAGAGAGCAGAAGAGACCAATACAGTTGAAGTGATAA  
CTTCAGCACCCGGGAGCCATGTTGGCATCATGGGCAAGAATTGCTGCAAGAGCTGTTTCAGC  
CTAAGGCTTTGAATTCATGTTCCATTCTGTTTCTGTTGAGGCCTTTTGTGCAAGCCT  
CTGGCGTCAGGTGGTGTGTTGGTCCATGGCAGACTTCTCTCGGCAGACACAAAGGGTTGGG  
TACGCCTGCAGTTTATGCAGGTGAGGCTGGGTGCTTACCCTCACAGGAGGATGATTT  
CTCTCTTCTGTTACCTGCCTGCATTTTCCCATCCCAGGCATAGAAGATAATATGTTAT  
GCCCGACTGTGCTAAGAGGAATAAGAAGATGATGAAAAGATTAATGACAGTAGAGAAGT  
AGCAGCAACCTGTTTGAATACAATGTAATAAGGAGGGATGACTTTTCAGATCATGTAAC  
CTATTACGAAGGAGTGGAAGAGGAGACAATTTGAATGAATCCTCATGATCTACAAAACAA  
AATCATAGTGACTAGGACTCCACAGTGAAGATGTTGACTAGTGACACAGCCCCATCTAA  
AGAATCCCTTTCTGTATGTCTGAAAACCCATTAATAAAGTCACTGCAATTGGCAAAAA  
AAAAAAAAAA



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_138815 unedited GTTCGGCTTTTGTAAATACGACTTACTATAGGGCGGCCGCATAACTTCGTATAGCATAACAT TATACGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTGAGAGCGGGGGGA TCAACTTGAGTCTGGGAAGCTCAGCCAGGAATCAAGACCAGCCTGGGCAACACAGTGAGG CCCCTACCCACATCCTCTCCGTCGCCCAATCTCCTCCATCCCAGGGTGTGCTGAAA ATGTCAGATGCAAATTTGGATAGCAGCAAGAAGAATTTCTTGGAGGGGGAAGTAGATGAT GAGGAAAGTGTGATTTTGACACTGGTGCCAGTTAAAGATGACGCANATATGGAACAAATG GAACCAAGCGTTTCTTCAACTTCTGATGTCAAACCTGGAGAAGCCTAAGATATACAATCCA GGTCACTACTTCAAACAAATGAGCAATTTACAGCTCCACAAAAAGCTAGATGCAAAATA CCAGCCCTTCCCTTGCCGACATTTTGCCTCCATTAATAAAGTGTGCGGGACACTTTG CGGGACTGGTGTCAACAACCTCGGTTTGTGACTAATGGCAAGAAAATCGAAGTTTATCTG AGGCTTCATANGCATGCTTACCCTGACAACGGCAAGATATGCCTGANATGTCACAAGAG ACCAGATTACAGCGATGTTGAGGAAACGAAGGCAGTGACCAAGAGAGCAAGGCTTCNN ANAGCTATGAGATGAATGAGAGAGCAGAAGAGACCATACAGTTGAAGTGANTACTTCAGC ACCGGGAGCCCATGTGGCATCATGGCANGAATTGCTGCAAGAGCCTGTCANCCTAAGGG CTTTGATTCATGTTCCATTCCGGTTTNCCTGTGAAGCCTTTTTGATGCAGCCTCTGGNCGT CAGTGTGGTGTGGTCATGCCAGACTTCTCTCGCAGACCAAAG
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_138815
<b>Insert Size:</b>	1270 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_138815.2</a> , <a href="#">NP_620170.2</a>
<b>RefSeq Size:</b>	1395 bp
<b>RefSeq ORF:</b>	897 bp
<b>Locus ID:</b>	151871
<b>UniProt ID:</b>	<a href="#">Q7Z7J5</a>
<b>Cytogenetics:</b>	3q13.13
<b>Protein Families:</b>	Embryonic stem cells, Induced pluripotent stem cells, Stem cell - Pluripotency

**Gene Summary:**

Binds to target gene promoters, including NKX2-5 and SYCE1, but not GATA4, and may be involved in the maintenance of the active epigenetic status of these genes.[UniProtKB/Swiss-Prot Function]