

Product datasheet for **RN205173**

Panx2 (NM_199409) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Panx2 (NM_199409) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Panx2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN205173 representing NM_199409
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCACCACCTCCTGGAGCAGTCGGCGGACATGGCGACCCTGCTGGCGGGCGAGAAGCTGAGGGAGC
 TGATCCTGCCTGGCTCGCAGGACGACAAGGCGGGTGCCTGGCCGCGCTGCTGCTGCAGCTCAAGCTGGA
 ACTGCCGTTTCGACCGCGTGGTACCATCGCACCGTGGTACCATCCTGCTGGTCACCTGGTCTTC
 ACCAAGAACTTCGCAGAGGAACCAATTTACTGTTATACTCCGACAACCTCACCCGTGACCAGGCGCTGT
 ACGCCCGTGGCTACTGCTGGACAGAGCTGCGGGATGCCCTGCCCGCGTGGATGCCAGCTGTGGCCATC
 GCTGTTTGGACACAAGTTCCTGCCCTACGCACTGCTGGCCTTTGCCGCCATCATGTATGTGCCCGACTG
 GGCTGGGAGTTCCTGGCCTCCACGCGCTCACCTCCGAGCTCAACTTCTGCTTCAGGAGATCGACAAC
 GCTACCACCGAGCCGCCAAGGTCGCGCCCCAAGATTGAGAAGCAGATCCAGTCCAAGGGGCCAGGCAT
 CACGGAGCGCGAGAAGCGGGAAATCATTGAGAAGCTGAGAAGGAGAAGGCCCTGAGCAGAATTTGTTT
 GAGAAGTACCTGGAGCGCCGGGGCCGACGAACCTCTGGCCAAGCTGTACTTGGCGCGGCACGTA
 TCTGCTACTCAGTGTGGTGGCCATCTTACCTATGCACATACTACGCCACCCAGAAGCAGAACGAGTT
 CACCTGCGCCCTGGGCGCCTCGCCTGACGGGCCGGTGGTAGCGCCGGGCCACGGTGCAGCTGAGCTGT
 AAGCTGCCCTCCGTGCAGCTGCAGCGGATCATTGCGGGTGTGGACATCGTATTGCTCTGCTTATGAACC
 TCATCATCCTGGTCAACCTCATCCACTTTCATCTTCCGCAAGAGCAACTTCATTTTTGACAAGCTGCA
 CAAGGTGGGTATCAAGACGCGCCGGCAGTGGCGCCGCTCGCAGTCTGCGACATCAACATCCTGGCCATG
 TTCTGTAAACGAGAACCGTGACCACATCAAGTCGTTAACCGGCTGGACTTCATCACCAACGAGAGCGACC
 TCATGTACGACAACGTGGTGGCAGCTTCTGGCTGCCTTGGCTCAGTCTAACACGACACCACGCCAC
 GGTTCCGGACTCAGGCATCCAGACCGTGACCCAGCATCAACCCGCGAGAGCCTGAGGGCTCTGCTGAG
 CCACCCGTGGTCAAGCGGCCCGTAAGAAAATGAAGTGGATCCCCACCAGCAACCCGCTGCCACAGCCCT
 TCAAGGAGCAGCTGGCCATTATGCGCGTAGAAAACAGCAAGACTGAGAAGCCAAACCTGTGCGCAGGAA
 GACAGCCACGGATACACTTATTGCCCGCTGCTGGACGCTGGTGGCCGGCTGCCACCACTACAAGGGG
 AGTGGAGGTGATACAGGGCCCTCCTGCCCCGCTGCTGGCCTGAGAAAAAGCATACCCGGCACTTCT
 CCTGGATGTGCATCCCTATATCCTAGGCAGCAAGAAGGCCAAGACTGAAGCAGTACCCCTGCCCTACC
 AGCCTCCCGAGCCAGGAAGGTGGCTTCTGTCCAGACAGGAATGTGGGCTGGGCTTGGCTGCAGCA
 CCCACCAAGATGCTCCGCTCCCTGAGAAGGAAATCCCATACCCACAGAGTCTGCCCTGCCGTGGGG
 GCCATTCCATGTGTGCTACCCCCACGGCCTCTGCTGCTGCTTCCCTGTCACCGAGCAGCCTGGGCAA
 GGCTGACCCCTCACCATCCTGAGCCGAAACGCCACTACCCCTGCTCCACATCAGCAGTTGTACGAG
 GCCCGGAAGAGGAGGAAGGAGTCCCTGTGCACCCTCAGACATGGGCGACCTCCTCAGCATACCCCCAC
 CCCAGCAGATCCTCATCGCCACCTTCGAGGAGCCGAGAACAGTTGTGAGTACTGTGGAGTTT**G**A

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1943_a08.zip

Restriction Sites: SgfI-MluI

ACCN: NM_199409

Insert Size: 2025 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
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:	<ol style="list-style-type: none">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_199409.2 , NP_955441.2
RefSeq Size:	3376 bp
RefSeq ORF:	2025 bp
Locus ID:	362979
UniProt ID:	P60571
Cytogenetics:	7q34
Gene Summary:	structural component of gap junctions; forms heteromeric intercellular channels with pannexin 1; may facilitate electrical communication in the brain [RGD, Feb 2006]