

Product datasheet for **MG206795**

Panx1 (NM_019482) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Panx1 (NM_019482) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Panx1
Synonyms: A1847747
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG206795 representing NM_019482
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCATCGCCCACTTGGCCACGGAGTATGTGTTCTCGGACTTCTTGCTGAAGGAGCCACCGAGCCCA
 AGTTCAAGGGCTGCGACTGGAGCTGGCGGTGGACAAGATGGTCACATGTATTGCCGTGGGTCTACCTCT
 GCTGCTCATCTCGCTGGCCTTCGCTCAGGAGATCTCCATCGGTACCCAGATAAGCTGCTTCTCCCGAGT
 TCTTTCTCCTGGGACAGGCTGCCTTTGTGGATCATACTGCTGGGCTGCTGTACAGCAGAAGAGCTCCC
 TGCAGAGCGAGTCTGAAACCTCCCACTGTGGCTGCACAAGTTCTCCCCTACATCCTACTGCTGTTTGC
 CATACTCCTGTACCTGCCGCACTCTTCTGGCGCTTCTCTGCAGCTCCACACCTCTGCTCAGACCTGAAG
 TTTATCATGGAGAACTTGACAAAGTCTACAACCGCGCCATCAAGGCTGCCAAGAGTGCTCGAGATTTGG
 ACCTAAGAGACGGACCTGGACCCCAAGGAGTGACTGAGAATGTGGGGCAGAGTCTGTGGGAGATATCTGA
 AAGCCACTTCAAGTACCAATCGTGGAGCAGTACTTGAAGACAAAAAGAAGTCTAGTCATTTAATCATG
 AAATACATTAGCTGCCGGCTGGTACATTTGTGTTATACTGTTGGCATGTATCTACTTGAGCTATTACT
 TCAGCCTCTTCACTCTCGGACGAGTTTCTGTGCAGCATCAAATCAGGCGTCTGAAAAATGACAGCAC
 CATCCCGATCGCTTCCAGTGAAGTCTATCGCGTGGGCATCTCCAGCTGCTCAGCCTCATTAACTC
 ATTGTGTATGCTCTGCTGATTCCCGTGGTCTACACGTTCTTCACTCCATTCCGGCAGAAAACGGACA
 TTCTCAAAGTGTATGAAATCCTGCCACCTTCGATGTTCTACATTTCAAGTCTGAAGGCTACAATGACTT
 GAGCCTCTACAACCTTTTTCTGGAAGAGAACATAAGTGAGCTCAAATCGTACAAGTGTCTGAAGGTGCTG
 GAGAACATTTAAAGCAATGGGCAGGGCATTGACCCATGCTACTCCTGACAAACCTGGGCATGATTAAGA
 TGGACATCATTGATGAAAAATCCACGTCCTACAGACCAAGGGAGAGGACCAGGGCAGCCAGAGAGT
 GGAGTTCAAAGATTTGGACCTGAGCAGCGAGGCTGCAGCAAACAATGGGGAGAAGAACTCTGCCAGAGG
 CTTCTGAATCCGTCCTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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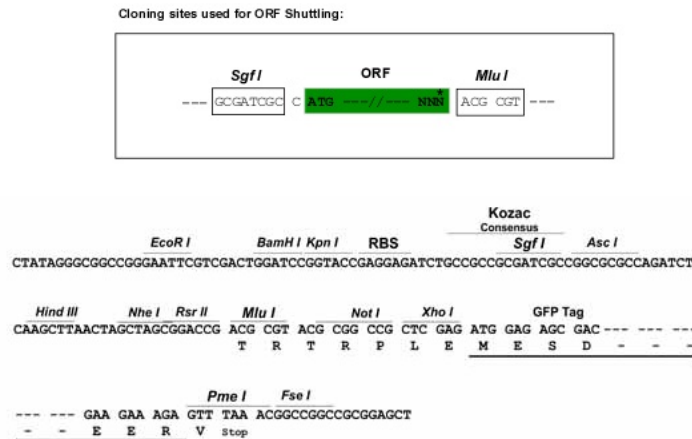
MAIAHLATEYVFSDFLLKEPTEPKFKGLRLELAVDKMVTCTIAGLPLLLISLAF AQEISIGTQISCFSPS
 SFSWRQA AFVDSYCWA AVQKSSLQSESGNLP LWHKFFPYILL LFAILLYLPALFWRFS AAPHLCSDLK
 FIMEELDKVYNRAIKA AKSARDL DL RDGPGPPGVTEN VQSLWEI SESHFKYPIVEQYLKTKKNSSHLIM
 KYISCR LVTFFVILLACIYL SYFSLSSLSDFLCSIKSGVLKNDSTIPDRFQCKLI AVGIFQLLSLINL
 IVYALLIPVVVYTFIPFRQKTDILKVYEILPTFDVLHFKSEGYNDLSLYNLFLEENISELKS YKCLKVL
 ENIKSNGQGIDPMLLLTNLGMIKMDIIDGKIPTSLQTKGEDQGSQRVEFKDLDL SSEAAANNGEKNSRQR
 LLNPSC

TRTRPLE - GFP Tag - V

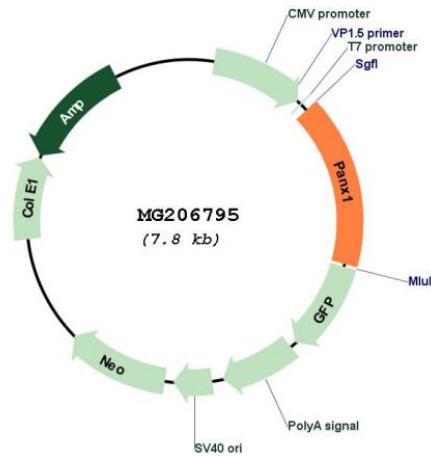
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_019482

ORF Size:	1278 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>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_019482.2 , NP_062355.2
RefSeq Size:	2112 bp
RefSeq ORF:	1281 bp
Locus ID:	55991
UniProt ID:	Q9JIP4
Cytogenetics:	9 A2
Gene Summary:	Structural component of the gap junctions and the hemichannels. May play a role as a Ca(2+)-leak channel to regulate ER Ca(2+) homeostasis (By similarity).[UniProtKB/Swiss-Prot Function]