

Product datasheet for **MG206122**

Panx3 (NM_172454) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Panx3 (NM_172454) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Panx3
Synonyms:	3230401P04; 4833413G11Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206122 representing NM_172454 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGCTCGCACACTGCTGCAGAGTACATGCTCTCTGATGCCCTGCTGCCTGACCGCAGGGGCTCTC
GGCTCAAAGGACTGCGCCTGGAAGTCCCTGGATAAGATGGTCAAGTTCATTACTGTGGGCTTTCCCTT
GCTGCTGATGTCTCTAGCTTTCCGCCAGGAGTTCTCATCAGGGTCTCCGATCAGCTGTTTCTCTCCAGC
AACTTCAGTGTCCAGGCAGGCTGCATACGTGGATAGCTCATGCTGGGACTCGCTGGCTCACCATACGCAGG
ACAAGGCTGGCCAGTACAAGGTGAAATCTCTGCGCTACAAGGCTCTCCCTACTCTCTACTGGCTCT
GGCTGTGGCCATGTATCTGCCAGTGTGCTGTGGCAATATGTAGCTGTGCCCTCCCTCAGCTCTGACCTG
CTGTTTCATCATCAGTGTGAGCTGGACAAGTCTTACAACCGTTCCATCCGCCTGGTGCAGCACATGTTGCAGA
TCCGGCAGAGCAGCTCTGACCCCATGTCTTCTGGGATGAGCTAGAGAAGGCCCGGAAGGAACGGTACTT
TGAATTTCCCTTGCTAGAGCGGTACCTGGAATGCAAGCAGCGCTCCCATTTGGCTAGTGGCCACCTACCTC
CTGAGGAACGCCCTTTACTCCTCTTTACCTCAGCCACTTACCTGTACCTTGCCAATTCATTTAGATG
TCTTCTTTCAAGATGAATTCAACTGCTTCATCAAGACAGGGCTGCTACATGATGAGACCCATGTGCCAGA
GCTGATCATATGCAGGCTGACCTCCCTGTCTGTATTCCAGATTGTGAGTGTCTCCAGTGCAGCAATATAC
ACCATATTGGTCCAGTGATAATATAACCTCACACGGCTATGTCGGTGGGACAAGGACTCCTATCCA
TCTATGAGATGCTCCCGCTTTTGATCTCCTCAGTAGAAAGATGCTAGGATGCCCATCAATGACCTCAA
TGTGATTCTTTCTCCGAGCTAATATCTCTGAGCTCATCTTTTTAGCTGGCTGAGTGTCTTAAGT
GTGTTGAAGGATACAACCACCCAGAAACACAACATCGACACAGTGGTTGACTTTATGACCTTTGTGGCTG
GCTTAGAACCTCAAACCTAAACATCTCACCCAGCATACATATGATGAGCACGCA

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206122 representing NM_172454
 Red=Cloning site Green=Tags(s)

MSLAHTAAEYMLSDALLPDRRGSRLKGLRLEPLDKMVKFITVGFPLLLMSLAFQEFSSGSPISCFSPS
 NFSVRQAAAYVDSSCWDSLAAHTQDKAGQYKVKSLWPHKALPYSLLALAVAMYLPVLLWQYVAVPSLSSDL
 LFIISELDKSYNRSIRLVQHMLQIRQSSDPHFVWDELEKARKERYFEFPLLERYLECKQRSHWL VATYL
 LRNALLLLFTSATYLYLGGFHLDVFFQDEFNCFIKTGLLHDETHVPELITCRLTSLSVFQIVSVSSAAIY
 TILVPVIIYNLTRLCRWDKGLLSIYEMLPAPFDLLSRKMLGCPINDLNVILLFLRANISELISFSWLSVLS
 VLKDTTQKHNIDTVVDFMTFVAGLEPSKPKHLTQHTYDEHA

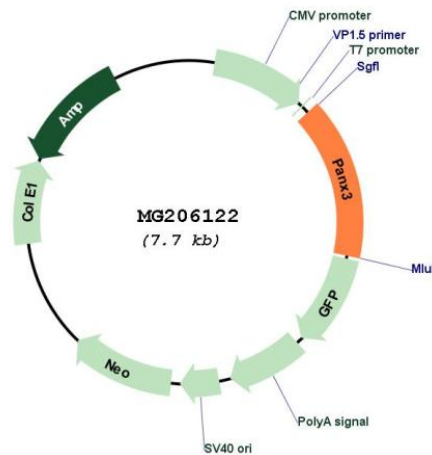
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_172454

ORF Size:	1176 bp
OTI Disclaimer:	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
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_172454.2 , NP_766042.2
RefSeq Size:	2518 bp
RefSeq ORF:	1179 bp
Locus ID:	208098
UniProt ID:	Q8CEG0
Cytogenetics:	9 A4
Gene Summary:	Structural component of the gap junctions and the hemichannels.[UniProtKB/Swiss-Prot Function]