

Product datasheet for MR206122

Panx3 (NM_172454) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Panx3 (NM_172454) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Panx3
Synonyms:	3230401P04; 4833413G11Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206122 representing NM_172454 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGCTCGCACACTGCTGCAGAGTACATGCTCTCTGATGCCCTGCTGCCTGACCGCAGGGGCTCTC
GGCTCAAAGGACTGCGCCTGGAAGTCCCTGGATAAGATGGTCAAGTTCATTACTGTGGGCTTCCCTT
GCTGCTGATGTCTCTAGCTTTCGCCAGGAGTTCTCATCAGGGTCTCCGATCAGCTGTTTCTCTCCAGC
AACTTCAGTGTCCAGGCTGCATACGTGGATAGCTCATGCTGGGACTCGTGGCTCACCATACGCAGG
ACAAGGCTGGCCAGTACAAGGTGAAATCTCTGCGCTACAAGGCTCTCCCTACTCTCTACTGGCTCT
GGCTGTGGCCATGTATCTGCCAGTGTGCTGTGGCAATATGTAGCTGTGCCCTCCCTCAGCTCTGACCTG
CTGTTTCATCATCAGTGTGAGCTGGACAAGTCTTACAACCGTTCCATCCGCTGGTGCAGCACATGTTGAGA
TCCGGCAGAGCAGCTCTGACCCCATGTCTTCTGGGATGAGCTAGAGAAGGCCCGGAAGGAACGGTACTT
TGAATTTCCCTTGCTAGAGCGGTACCTGGAATGCAAGCAGCGCTCCCATTTGGCTAGTGGCCACCTACCTC
CTGAGGAACGCCCTTTACTCCTCTTTACCTCAGCCACTACCTGTACCTTGCCAATTCATTTAGATG
TCTTCTTTCAAGATGAATTCAACTGCTTCATCAAGACAGGGCTGCTACATGATGAGACCCATGTGCCAGA
GCTGATCATATGCAGGCTGACCTCCCTGTCTGTATTCCAGATTGTGAGTGTCTCCAGTGCAGCAATATAC
ACCATATTGGTCCCAGTGATAATATAACCTCACACGGCTATGTCGGTGGGACAAGGACTCCTATCCA
TCTATGAGATGCTCCCGCTTTTGATCTCCTCAGTAGAAAAGATGCTAGGATGCCCATCAATGACCTCAA
TGTGATTTCTTTTCTCCGAGCTAATATCTCTGAGCTCATCTTTTTAGCTGGCTGAGTGTCTTAAGT
GTGTTGAAGGATACAACCACCCAGAAAACAACATCGACACAGTGGTTGACTTTATGACCTTTGTGGCTG
GCTTAGAACCTCAAACCTAAACATCTCACCCAGCATACATATGATGAGCACGCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206122 representing NM_172454
 Red=Cloning site Green=Tags(s)

MSLAHTAAEYMLSDALLPDRRSRLKGLRLELPLDKMVKFITVGFPLLLMSLAF AQEFSSGSPISCFSPS
 NFSVRQAAYVDSSCWDSL AHHTQDKAGQYKVKSLWPHKALPYSLLALAVAMYLPVLLWQYVAVPSLSSDL
 LFIISELDKSYNRSIRLVQHMLQIRQSSDPHFVWDELEKARKERYFEFPLLERYLECKQRSHWL VATYL
 LRNALLLLFTSATYLYLGQFHLDVFFQDEFNCFIKTGLLHDETHVPELITCRLTSLSVFQIVSVSSAAIY
 TILVPVIIYNLTRLCRWKGLLSIYEMLP AFDLLSRKMLGCPINDLNVILLFLRANISELISFSWLSVLS
 VLKDTTQKHNIDTVVDFMTFVAGLEPSKPKHLTQHTYDEHA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

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:

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_172454.1](#), [NM_172454.2](#), [NP_766042.2](#)

RefSeq Size: 2518 bp

RefSeq ORF: 1179 bp

Locus ID: 208098

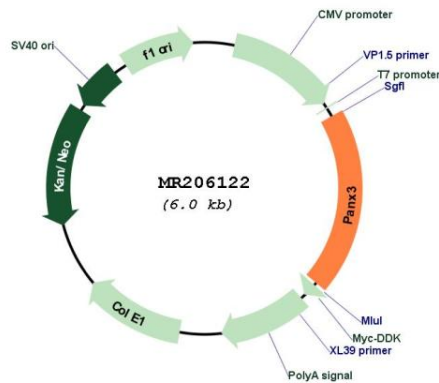
UniProt ID: [Q8CEG0](#)

Cytogenetics: 9 A4

MW: 45.4 kDa

Gene Summary: Structural component of the gap junctions and the hemichannels.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206122