

Product datasheet for **RG224924**

Pannexin 3 (PANX3) (NM_052959) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pannexin 3 (PANX3) (NM_052959) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PANX3
Synonyms:	PX3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG224924 representing NM_052959 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCACTTGCACACACAGCTGCAGAGTACATGCTCTCAGATGCCCTGCTGCCTGACCGCAGGGGACCC
GCCTCAAAGGACTGCGTCTGGAAGTCCCTGGACCGGATAGTCAAGTTCGTAGCTGTGGCTCCCCCTT
GTTGCTGATGTCCTGGCATTGCCCAGGAGTTCTCTCTGGGTCTCCGATCAGCTGCTTCTCTCCAGT
AACTTCAGCATCCGGCAGGCAGCCTACGTGGACAGCTCCTGCTGGGACTCACTGCTTACCATAAGCAGG
ACGGCCCTGGCCAGGACAAAATGAAATCTCTGCCCCACAAGGCCCTCCCTACTCCCTGCTGGCCCT
GGCCTTGCTCATGTACCTGCCGGTGTGCTGTGGCAGTATGCAGCTGTGCCAGCCCTCAGCTCCGATCTG
CTGTTTCATCATCAGGAACTGGACAAATCTTATAATCGCTCCATCCGCCTCGTGCAGCACATGCTGAAGA
TCCGGCAGAAGAGTTCGGACCCCTATGTGTTCTGGAATGAGCTGGAGAAGGCTCGGAAAGAACGATACTT
TGAATTCCTTTGCTAGAGCGGTACCTGGCATGTAAGCAGCGTTCACATTCGCTAGTGGCTACCTACCTC
CTGAGGAACTCCCTTTGCTCATCTTACCTCCGCCACTTACCTATACCTTGGTCATTTCCATCTGGATG
TCTTCTCCAGGAAGAATTCAGCTGCTCCATCAAGACAGGGCTGCTAAGTATGAGACCCATGTCCCAA
TCTGATCATGTCAGGCTGACATCACTGTCCATTTTCCAGATTGTAGCCTCTCCAGTGTAGCAATATAC
ACCATATTGGTTCCAGTGATAATATAACCTCACACGGCTATGTCGGTGGGACAACGACTTTTATCTG
TCTATGAGATGCTCCAGCTTTTGATCTCTCAGCAGAAAAGATGCTAGGATGTCCCATCAATGACCTCAA
TGTGATCCTTCTTTTCTCCGAGCTAACATCTCTGAGCTCATCTTTTAGCTGGCTGAGTGTCTTATGT
GTGTTGAAGGATACAACCACCCAGAAGCACAATATTGACACAGTAGTTGATTTTATGACTTTATTGGCTG
GCTTAGAACCTCAAACCCAAACACCTCACCACCTCGGCATGTGATGAACACCA

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG224924 representing NM_052959
 Red=Cloning site Green=Tags(s)

MSLAHTAAEYMLSDALLPDRRGPRLKGLRLELPLDRIVKFVAVGSPLLLMSLAFQEFSSGSPISCFSPS
 NFSIRQAAYVDSSCWDSLHKKQDGPQDKMKSLLWPHKALPYSLLALALLMYLPVLLWQYAAVPALSSDL
 LFIISELDKSYNRSIRLVQHMLKIRQKSSDPYVFWNELEKARKERYFEFPLLERYLACKQRSHSLVATYL
 LRNSLLLIFTSATYLYLGHFHLDVFFQEEFSCSIKTGLLSDETHVPNLITCRLTSLIFQIVSLSSVAIY
 TILVPVIIYNLTRLCRWDRKLLSVYEMLPAFDLLSRKMLGCPINDLNVILLFLRANISELISFSWLSVLC
 VLKDTTQKHNIDTVVDFMTLLAGLEPSKPKHLTNSACDEHP

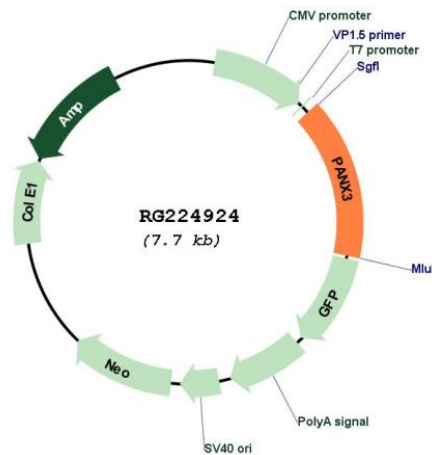
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_052959

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_052959.3
RefSeq Size:	1609 bp
RefSeq ORF:	1179 bp
Locus ID:	116337
UniProt ID:	Q96QZ0
Cytogenetics:	11q24.2
Protein Families:	Transmembrane
Gene Summary:	The protein encoded by this gene belongs to the innexin family. Innexin family members are known to be the structural components of gap junctions. [provided by RefSeq, Jul 2008]