

Product datasheet for **MG206221**

P2rx3 (NM_145526) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	P2rx3 (NM_145526) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	P2rx3
Synonyms:	4930513E20Rik; P2X3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206221 representing NM_145526 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGTGTATATCAGACTTCTTACCTACGAGACTACCAAGTCGGTGGTTGTGAAAAGCTGGACCATTG
GGATCATCAACCGAGCCGTTTCTGCTGATTATCTCTACTTTGTGGGGTGGTTTTCTTGACGAGAA
GGCCTACCAAGTGCAGGACACGGCCATTGAGTCTCAGTAGTAACAAAGGTAAGGCTTCGGACGCTAT
GCCAACAGAGTCATGGATGTGTCGGATTATGTGACCCACCCAGGGCACTTCTGTCTTTGTCATCATCA
CCAAAATGATCGTTACTGAAAATCAAATGCAAGGATTCTGTCCAGAGAATGAGGAGAAGTACCGCTGTGT
GTCTGACAGCCAGTGTGGCCTGAGCGCTTCCCGGGTGGGGGATCCTCACCGGCCGCTGCGTGAACCTAC
AGCTCTGTCCGTCCGACCTGTGAGATCCAGGGCTGGTGCACCAGGTTGGACACCGTGGAGATGCCTA
TCATGATGGAAGCCGAGAACTTCACATTTTTCATCAAGAACAGCATCCGTTTCCCTCTCTTCAACTTTGA
GAAGGGAAACCTCCTTCCTAACCTCACCGACAAGGACATAAAGAAGTCCCGCTTCCATCCTGAAAAGGCC
CCATTTTGCCCATCTTGAGGGTAGGGGACGTGGTTAAGTTTGTGGCAGGATTTTGCCAAAGCTGGCCC
GCACGGGTGGAGTCTGGGCATTAAGATCGGCTGGGTGTGTGATCTGGACAAGGCCTGGGACAGTGCAT
TCCCAAATATTCCTTCACTCGGCTAGATGGAGTTTCTGAGAAAAGCAGTGTTCCTGGCTACAACCTC
AGGTTTGCCAAATACTACAAGATGGAGAATGGCAGCGAGTACCCACGCTCCTGAAGGCTTCGGCATCC
GCTTTGATGTGCTGGTATACGGGAACGCTGGCAAGTTCAACATCATTCCACCATCATCAGCTCGGTGGC
TGCCCTCACTTCCGTGGGAGTGGGGACTGTTCTCTGTGACATCATCCTGTCAATTTCTCAAAGGGGCT
GATCACTACAAAGCCAGGAAGTTTGAAGAGGTGACTGAGACAACACTGAAGGGTACTGCTTCAACCAACC
CAGTGTTCAACAGTGACCGCCACTGTAGAGAAGCAGTCCACAGACTCGGGGCCATTCTATTGGTCA
C

ACGGTACGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206221 representing NM_145526
 Red=Cloning site Green=Tags(s)

MNCISDFFTYETTKSVVVKSWTIGIINRAVQLLIISYVGVWFLHEKAYQVRDTAISSVVTKVKGFGRY
 ANRVMDVSDYVTPPQGTSVFVIIITKMIVTENQMQGFCEPENEKYRCVSDSQCGPERFPGGGILTGRVNY
 SSVRRTCEIQWCPTVEDTVEMPIMMEAENFTIFIKNSIRFPLNFEKGNLLPNLTDKDIKKCRFHPEKA
 PFCPILRVGDVVKFAGQDFAKLARTGGVLGIKIGWVCDLKAWDQCIPKYSFTRLDGVSEKSSVSPGYNF
 RFAKYKYMENGSEYPTLLKAFGIRFDVLYYGNAGKFNIPTIISVAAFTSVGVGTVLCDIILLNFKLGA
 DHYKARKFEEVTETTLKGTASTNPVFTSDQATVEKQSTDSGAYSIGH

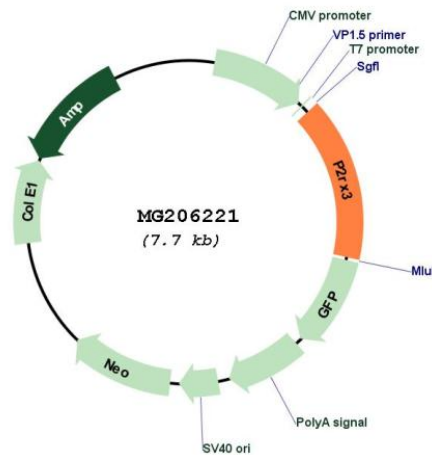
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_145526

ORF Size:	1191 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_145526.1
RefSeq Size:	4190 bp
RefSeq ORF:	1194 bp
Locus ID:	228139
UniProt ID:	Q3UR32
Cytogenetics:	2 D
Gene Summary:	Receptor for ATP that acts as a ligand-gated cation channel (By similarity). Plays a role in sensory perception (PubMed:15961431, PubMed:16322458). Required for normal perception of pain (PubMed:15961431). Required for normal taste perception (PubMed:16322458). [UniProtKB/Swiss-Prot Function]