

Product datasheet for **MG224683**

P2rx6 (NM_011028) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	P2rx6 (NM_011028) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	P2rx6
Synonyms:	P2rxl1; P2x6; P2xm
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG224683 representing NM_011028 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGTTGCAGCCAGCAGGAAGTGGAAACATGGCTTCTGCAGCCGAGCAGCACTCGTGAGCTGGGGGT
TTCTGGATTACAAGACGGAGAAAATATGTGCTAACCAGGAAGTGTCCGGTGGGCGTCTCCCAGAGGCTGT
GCAGCTGGCAGTGGTAGTCTACGTGATAGGGTGGGCCCTTTGGCCAAAAAGGCTACCAGGAACGGGAC
TTGGCCCCTCAGACTTCTGTATCACAAACTCAAGGGGTTTCTGTAACCCAGGTTAAGGAGCTGGAGA
ACCGGCTGTGGGACGTGGCTGACTTTGTGAAGCCATCACAGGGAGAGAACGTGTTCTTCTGGTAACCAA
CTTCTCGTGACACCAGCTCAAGTCCAGGGCAGATGTCCAGAGCATCCTTCCGTTCTCTGGCTAACTGC
TGGGCTGATGAAGACTGCCCCGAAGGGGAGACGGGACATACAGCCATGGCATAAAAACTGGTCAGTGTG
TGGTGTCAACGGAACCCACAGGACCTGTGAGATCTGGAGCTGGTGGCCAGTGGAGAGTGGTGTGTGCC
CAGGAAGCCCCTGCTAGCTCAGGCCAAGAATTACACTCTTTCATCAAAAACTGTAACCTTCAGCAAG
TTCAACTTCTCCAGATCCAATGCCTTATTAACCTGGGACAACACATATTTCAAGCATTGTCTATGATC
CACTCTCCAGTCCGACTGCCCAGTGTCCGCATCGGGGACCTTGTGGCCATGGCTGGAGGGGACTTTGA
GGACCTGGCCTTGTGGTGGTGTGTGGGCATCAGCATTCACTGGGATTGCAACCTGGACACGAAAGGC
TCTGACTGTCCCCAGTACTCCTCCAGCTGCAGCAGAAAGGGTACAACCTCAGGACAGCCAATCACT
GGTGGCAGCCTCAGGCGTGGAGACCCGAGCCTGCTCAAGCTCTATGGAATCCGTTTTGACATCTTGT
CACTGGGCAGGCAGGGAAGTTCGCGCTCATCCCTACGGCCATCACAGTGGGCACAGGAGCGGCTTGCTG
GGCATGGTCACTTCTCTGTGACCTGCTGCTACTGTATGTGGATAGAGAGGCCGTTTCTACTGGAGAA
CCAAATATGAAGAGGCAAGAGCCCAAGACGACTACCAACAGTTCA

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG224683 representing NM_011028
 Red=Cloning site Green=Tags(s)

MLQLPAGTGNMASAAAAALVSWGFLDYKTEKYVLTRNCRVGVSQRLQLAVVVVYIGWALLAKKGYQERD
 LAPQTSVITKLGVSVTQVKELENRLWDVADFVKPSQGENVFFLVTFNFTVPAQVQGRCPPEHPSVPLANC
 WADEDCPEGETGTYSHGIKTGQCVVFNTHRTCEIWSWCPVESGAVPRKPLLAQAKNFTLFIKNTVTFKSK
 FNF SRSNALLTWDNTYFKHCLYDPLSSPYCPVFRIGDLVAMAGGDFEDLALLGGAVGISIHWCNLDTKG
 SDCCPQYSFQLQKQKGYNFRTANHWAAASGVETRSLKLYGIRFDILVTGQAGKFAIPTAITVGTGAAWL
 GMVTFLCDLLLLYVDREAGFYWRTKYEEARAPKTTTNS

TRTRPLE - GFP Tag - V

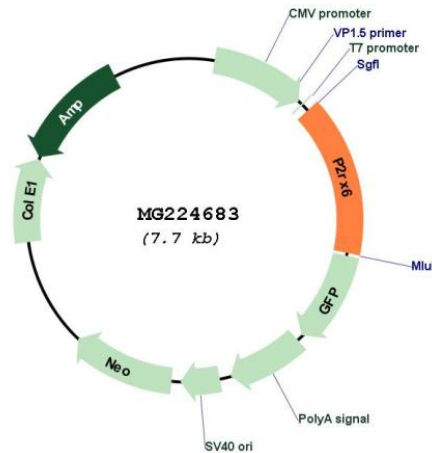
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_011028

ORF Size:	1167 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_011028.2 , NP_035158.2
RefSeq Size:	2362 bp
RefSeq ORF:	1170 bp
Locus ID:	18440
UniProt ID:	O54803
Cytogenetics:	16 A3
Gene Summary:	Receptor for ATP that acts as a ligand-gated ion channel.[UniProtKB/Swiss-Prot Function]