

Product datasheet for MR224683

P2rx6 (NM_011028) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	P2rx6 (NM_011028) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	P2rx6
Synonyms:	P2rx11; P2x6; P2xm
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR224683 representing NM_011028 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGTTGCAGCCAGCAGGAACGGGAACATGGCTTCTGCAGCCGAGCAGCACTCGTGAGCTGGGGGT
TTCTGGATTACAAGACGGAGAAATATGTGCTAACCAGGAAGTGTGGGTGGGCGTCTCCAGAGGCTGT
GCAGCTGGCAGTGGTAGTCTACGTGATAGGGTGGGCCCTTTGGCCAAAAAGGCTACCAGGAACGGGAC
TTGGCCCTCAGACTTCTGTATCACAACTCAAGGGGTTTCTGTAACCCAGGTTAAGGAGCTGGAGA
ACCGGCTGTGGGACGTGGCTGACTTTGTGAAGCCATCACAGGGAGAGAACGTGTTCTTCTGGTAACCAA
CTTCTCGTGACACCAGCTCAAGTCCAGGGCAGATGTCCAGAGCATCCTTCCGTTCTCTGGCTAACTGC
TGGGCTGATGAAGACTGCCCCGAAGGGGAGACGGGACATACAGCCATGGCATAAAAACTGGTCAGTGTG
TGGTGTCAACGGAACCCACAGGACCTGTGAGATCTGGAGCTGGTGGCCAGTGGAGAGTGGTGTGTGCC
CAGGAAGCCCCTGCTAGCTCAGGCCAAGAATTCACACTCTTCATCAAAAACTGTAACTTCAGCAAG
TTCAACTTCTCCAGATCCAATGCCTTATTAACCTGGGACAACACATATTTCAAGCATTGTCTATGATC
CACTCTCCAGTCCGACTGCCCAGTGTCCGCATCGGGGACCTTGTGGCCATGGCTGGAGGGGACTTTGA
GGACCTGGCCTTGTGGTGGTGTGTGGGCATCAGCATTCACTGGGATTGCAACCTGGACACGAAAGGC
TCTGACTGTCTCCAGTACTCCTTCCAGCTGCAGCAGAAAGGGTACAACCTCAGGACAGCCAATCACT
GGTGGGACGCTCAGGCGTGGAGACCCGAGCCTGCTCAAGCTCTATGGAATCCGTTTTGACATTCTTGT
CACTGGGACGGCAGGGAAGTTCGCGCTCATCCCTACGGCCATCACAGTGGGCACAGGAGCGGCTTGCTG
GGCATGGTCACTTCTCTGTGACCTGCTGCTACTGTATGTGGATAGAGAGGCCGTTTCTACTGGAGAA
CCAAATATGAAGAGGCAAGAGCCCAAAGACGACTACCAACAGTTCA

ACGGTACGGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR224683 representing NM_011028
Red=Cloning site Green=Tags(s)

MLQLPAGTGNMASAAAAALVSWGFLDYKTEKYVLTRNCRVGVSQRLQLAVVVYVIGWALLAKKGYQERD
 LAPQTSVITKLKGVSVTQVKELENRLWDVADFVKPSQGENVFFLVNLFVTPAQVQGRCPPEHPSVPLANC
 WADEDCPEGETGTYSHGIKTGQCVVFNGTHRTCEIWSWCPVESGAVPRKPLLAQAKNFTLFIKNTVTFK
 FNFSRSNALLTWDNTYFKHCLYDPLSSPYCPVFRIGDLVAMAGGDFEDLALLGGAVGISIHWCNLDTKG
 SDCCPQYSFQLQKQKGYNFRTANHWWAASGVETRSLKLYGIRFDILVTGQAGKFALIPTAITVGTGAAWL
 GMVTFLCDLLLLYVDREAGFYWRTKYEEARAPKTTTNS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9018_h07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



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:

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

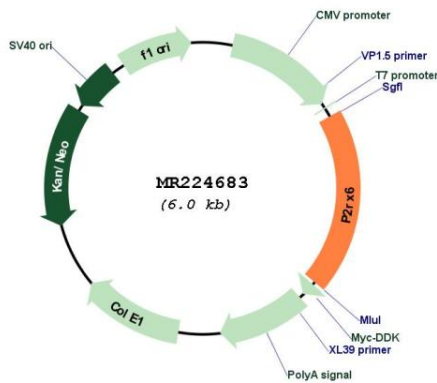
UniProt ID: [O54803](#)

Cytogenetics: 16 A3

MW: 43.5 kDa

Gene Summary: Receptor for ATP that acts as a ligand-gated ion channel.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR224683