

Product datasheet for **MR230613**

P2rx7 (NM_001284402) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | P2rx7 (NM_001284402) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | P2rx7 |
| Synonyms: | A1467586; P2X(7); P2X7R |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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ORF Nucleotide Sequence:

>MR230613 representing NM_001284402
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGCCCGTGAGCCACTTATGCAGCCATAAATCCGGAAAGTCCTTGAATCCATAGCATATGGATCG
 GGACGCTGAAGAACACCTTCTAGGGGCCATCTGCGTCTATATCTGCTTTGCTTTGGTGAGCGATAAGCT
 GTACCAGCGAAAAGACCTGTTATCAGCTCCGTGCACACCAAGGTCAAAGGCATAGCAGAGGTGACGGAG
 AATGTCACAGAGGGTGGGGTGACGAAGTTAGGACACAGCATCTTTGACACTGCAGACTACACCTTCCCTT
 TGCAGGGGAACCTATTCTTTGTCATGACAACTATGTCAAGTCAGAAGGCCAAGTCAGACGCTGTGTCC
 TGAGTATCCAGGCGGGTGCACAGTCTTCTGACCGCGTTGAAAAAGGGTGGATGGACCCACAG
 AGCAAAGGAATCCAGACTGGCAGGTGTTCATATGACAAGACAAGGAAGACCTGTGAAGTCTCTGCCT
 GGTGTCCTACTGAGGAGGAGAAAGAAGTCCCCGACCTGCACTCTTGAGGAGCGCCGAAAACCTCACCGT
 ACTCATCAAGAATAATATCCACTCCCCGGCCACAATAACCAGGAGAAACATCTTGCCAACTATGAAC
 GGCTCTTGACCTTTCACAAGACTTGGGACCTCAGTGTCCATCTTCGACTAGGGGACATCTCCAGG
 AAGCAGGAGAGAAGTTTACAGAGGTGGCAGTTCAGGGAGGAATCATGGGTATCGAGATCTACTGGGATTG
 CAACCTAGACAGCTGGTCCCATCACTGCCGACCCAGGTACAGCTTCGCCCGCCTGGATGACAAGAACACG
 GATGAGTCCCTCGTCCCCGGCTACAACCTCAGATATGCCAAGTACTATAAGGAGAACAATGTGAAAAAGC
 GGACGTTGATCAAAGCCTTCGGCATCCGTTTTGACATCCTGGTTTTCGGCACTGGAGGAAAAATTTGACAT
 CATCCAGCTGGTGTATACATTGGATCCACCCTGCTACTTTGGCTTGGCCACTGTGTGCATTGACTTG
 CTCATCAACACATACTCCAGTCTTTCTGCAGGTCGGGGGTTACCCCTACTGTAAGTCTGTGAGCCCT
 GCACAGTGAACGAGTATTACTACAGAAAAGAGTGTGAGTCCATCATGGAACCAAGCCGACGTTGAAGTA
 TGTGTCCTTTGTCGACGACCGCCACATTCGCATGGTGGACCAGCAGCTGCTTGGGAAAAGTCTGCAAGTT
 GTCAAAGGCCAAGAAGTTCCAAGACCCAGATGGACTTCTCCGACCTGTCTAGGCTGTCCCTATCTCTCC
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 CGGGGACAGCCGAGTTGGTCCAGTGTGGAAATTCCTCCCGTCTCGCTACCGGAGCAACGCAGGGCC
 CTGGAGGAGCTGTGCTGCCGGAGGAAGCCGGGGCGGTGCATCACCACTCCAAGCTTCCATAAGCTCG
 TGCTGTCCGAGACACCCTGCAGCTCCTCTGCTTTACCAGGATCCCTTGTGCTGGGGGAAGAGGC
 CACCAACAGCAGGCTGCGACACCGTGTACAGGTGCTATGCCACCTGGCGCTTCGGCTCCAGGACATG
 GCCGACTTGGCATTCTGCCAGCTGTTGCCGCTGGAGGATCCGGAAGGAGTTCCCAAGACCGAGGGGC
 AGTATAGTGGCTCAAGTATCCCTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MLPVSHLCSHKSGKVLIEHSIWIGTLKNTFLGAIQVYICFALVSDKLYQRKEPVISSVHTKVKGIAEVT
 NVTEGGVTKLGHISIFDTADYTFPLQGNFFVMTNYVKSEGQVQTLCPYPRRGAQCSSDRRCKKGMWDPQ
 SKGIQTGRCVPYDKTRKTCVSAWCPTEEEKEAPRPALLRSAENFTVLKNNIHFPHNYTTRNIPMTN
 GSCTFHKTWDPQCSIFRLGDIQFQEAGENFTEVAVQGGIMGIEIYWDNLDSWSHHCPRYSFRRLDDKNT
 DESFVPGYNFRYAKYYKENNVEKRTLKAFGIRFDILVFGTGGKFDIIQLVYVYIGSTLSYFGLATVCIDL
 LINTYSSAFCRSGVYYPYCKCCEPCTVNEYYYRKKCESIMEPKPTLKYVSFVDEPHIRMVDQQLLGLSLQV
 VKGQEVPRPQMDFSRLSLSLHDSPLTPGQSEIQLLHEEVAPKSGDSPSWCQCGNCLPSRLEPQRRA
 LEELCCRRKPGRCITTSKLFHKLVLSDTLQLLLLYQDPLLVLGEEATNSRLRHRAYRCYATWRFSGSQDM
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

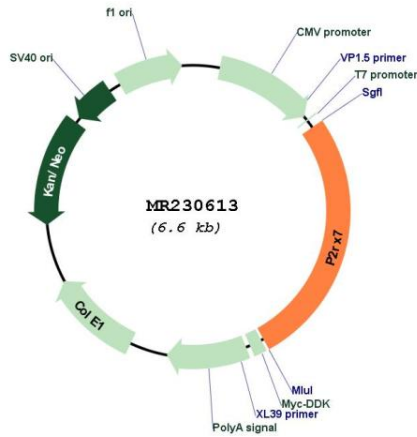
Restriction Sites:

Sgfl-MluI

MW: 68.2 kDa

Gene Summary: Receptor for ATP that acts as a ligand-gated ion channel. Responsible for ATP-dependent lysis of macrophages through the formation of membrane pores permeable to large molecules. Could function in both fast synaptic transmission and the ATP-mediated lysis of antigen-presenting cells. In the absence of its natural ligand, ATP, functions as a scavenger receptor in the recognition and engulfment of apoptotic cells.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR230613