

Product datasheet for **MR227440**

P2rx7 (NM_001038845) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: P2rx7 (NM_001038845) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: P2rx7
Synonyms: A1467586; P2X(7); P2X7R
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR227440 representing NM_001038845
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCCGGCTTGTGCAGCTGGAACGATGTCTTGCAGTATGAGACAAACAAAGTCACCCGGATCCAGAGCA
CGAATTATGGCACCGTCAAGTGGGTCTTGCACATGATCGTCTTTCTACATTAGCTTTGCTTTGGTGAG
CGATAAGCTGTACCAGCGAAAGAGCCTGTTATCAGCTCCGTGCACACCAAGGTCAAAGGCATAGCAGAG
GTGACGGAGAATGTCACAGAGGGTGGGGTGACGAAGTTAGGACACAGCATCTTTGACACTGCAGACTACA
CCTTCCCTTTCAGGGGAACCTATTCTTTGTCATGACAACTATGTCAAGTCAGAAGGCCAAGTGCAGAC
GCTGTGCTCCTGAGTATCCAGGGCGGGTGCACAGTGTCTTCTGACCGGGTGTAAAAAGGGTGGATG
GACCCACAGAGCAAAGGAATCCAGACTGGCAGGTGTGTTCCATATGACAAGACAAGGAAGACCTGTGAAG
TCTCTGCCTGGTGTCTACTGAGGAGGAGAAAGACTCCCCGACCTGCACTCTTGAGGAGCGCCGAAAA
CTTCACCGTACTCATCAAGAATAATATCCACTTCCCCGGCCACAATAACCACGAGAAACATCTTGCCA
ACTATGAACGGCTCTTGTACCTTTCACAAGACTTGGGACCCTCAGTGTTCATCTTCCGACTAGGGGACA
TCTTCCAGGAAGCAGGAGAGAACCTTACAGAGGTGGCAGTTCAGGGAGGAATCATGGGTATCGAGATCTA
CTGGGATTGCAACCTAGACAGCTGGTCCCATCACTGCCGACCCAGGTACAGCTTCCGCCGCTGGATGAC
AAGAACACGGATGAGTCCTTCGTCGCCGCTACAACCTCAGATATGCCAAGTACTATAAGGAGAACAATG
TGGAAAAGCGGACGTTGATCAAAGCCTTCGGCATCCGTTTTGACATCCTGGTTTTCGGCACTGGAGGAAA
ATTTGACATCATCCAGCTGGTTGTATACATTGGATCCACCCTGTCTACTTTGGCTTGGCCACTGTGTGC
ATTGACTTGCTCATCAACACATACTCCAGTGCTTTCTGCAGGTGGGGGTTTACCCTACTGTAAGTGCT
GTGAGCCCTGCACAGTGAACGAGTATTACTACAGAAAGAAGTGTGAGTCCATCATGGAACCAAGCCGAC
GTTGAAGTATGTGTCCTTTGTCGACGAGCCGCACATTTCGATGGTGGACCAGCAGCTGCTGGGAAAAGT
CTGCAAGTTGTCAAAGGCCAAGAAGTTCAGTACGGGTGCTTTGCCTGCATGTATGTATGCCACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



ORF Size:	1326 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_001038845.3
RefSeq Size:	1633 bp
RefSeq ORF:	1329 bp
Locus ID:	18439
Cytogenetics:	5 F
MW:	51.1 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]