

Product datasheet for **MG225909**

P2rx4 (NM_011026) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: P2rx4 (NM_011026) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: P2rx4
Synonyms: AI504491; AW555605; D5Ertd444e; P2X4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG225909 representing NM_011026
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAGGCTGCTGCTCCGTGCTCCGGCTTTCTGTTTCGAGTACGACACGCCGCGCATCGTGCTCATCC
 GCAGCCGTAAAGTGGGGCTCATGAACCGCGTGGTGCAGCTGCTCATCCTGGCTTACGTCATTGGGTGGGT
 GTTCGTGTGGGAAAAGGGCTACCAGGAAACGGACTCTGTGGTCACTCGGTGACAACCAAGCCAAAGGT
 GTGGCTGTGACCAACACTTCTCAGCTTGGATCCGGATCTGGGACGTGGCCGACTATGTGGTCCCAGCTC
 AGGAGGAAAACCTCCTTTCATCATGACCAACATGATCGTCACCGTGAACCAGACGCAGGGTACCTGTCC
 AGAGATTCCTGATAAGACCAGCATTTCGATTTCAGACGCCAACTGCACTCTCGGCTCCTCGGACACCCAC
 AGCAGTGGAAATGGGACTGGAAGGTGTGTTCCATTCAACGCGTCTGTGAAGACCTGTGAGGTGGCCGCAT
 GGTGCCAGTGGAGAATGACGCTGGTGTGCCAACGCCAGCTTTTTAAAGGCTGCAGAAAACCTTCAACCT
 CTTGGTAAAGAACAACATCTGGTACCCCAAGTTAATTTTCAGCAAGAGGAATATCCTCCCAACATTACC
 ACCTCCTACCTCAAGTCGTGATTTATAATGCGCGGACGGATCCCTTCTGCCCATATCCGTCTTGCC
 AAATCGTGGCGGATGCGGGCCACAGCTTTCAGGAGATGGCAGTGGAGGGAGGCATCATGGGTATCCAGAT
 CAAGTGGGACTGCAACCTTGACAGAGCTGCCTCCCACTGCCTGCCAGATATTCCTTCCGGCGCCTCGAC
 ACTCGGGACTTAGAACACAACGTGTCTCCTGGCTACAATTTTCAGGTTTCCCAAGTACTACAGGGACCTTG
 CTGGCAATGAGCAACGCACACTACCAAGGCATATGGCATCCGCTTTGACATCATCGTGTTTGGAAAGGC
 TGGCAAGTTTGCATCATCCCAACCATGATCAATGTTGGCTCTGGCTTGGCGCTCCTAGGGTGGCGACC
 GTGCTGTGTGACGTCATAGTCTCTACTGTATGAAGAAGAGATACTACTACCGGGACAAGAAATATAAGT
 ATGTGGAAGACTACGAGCAGGGTCTTCCGGAGAGACGGACCAG

AGCGGACCGACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG225909 representing NM_011026
 Red=Cloning site Green=Tags(s)

MAGCCSVLRAFLFEYDTPRIVLIRSrkVGLMNRVVQLLILAYVIGWVFWVEKGYQETDSVSSVTTKAKG
 VAVTNTSQLGFRIDVDVYVPAQEENSLFIMTNMIVTVNQTQGTCP EIPDKTSICSDANCTLGSSDTH
 SSGIGTGRCVPFNASVKTC EAAWCPVENDAGVPTPAFLKAAENFTLLVKNNIWPYKFNFSKRNLIPNIT
 TSYLKSCIYNARTDPFCPIFRLGQIVADAGHSFQEMAVEGGIMGIQIKWDCNLDRAASHCLPRYSFRRLD
 TRDLEHNVSPGYNFRFAKYRDLAGNEQRTLTKAYGIRFDIIVFGKAGKFDIIP TMINVGSGLALLGVAT
 VLCDVIVLYCMKKRYYYRDKKYKVEDYEQGLSGETDQ

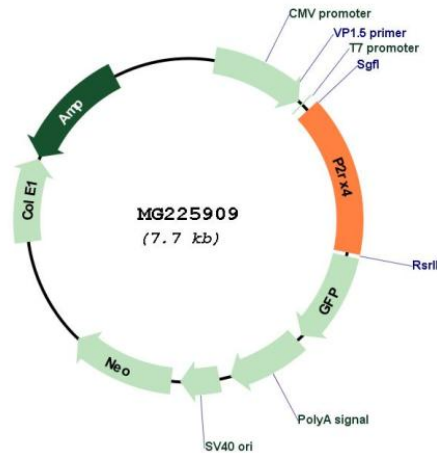
SGPTRRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM_011026

ORF Size:	1164 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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_011026.3
RefSeq Size:	1995 bp
RefSeq ORF:	1167 bp
Locus ID:	18438
Cytogenetics:	5 62.53 cM