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Product datasheet for MG215140

P2rx5 (NM_033321) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	P2rx5
Synonyms:	P2X5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>MG215140 representing NM_033321
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGCCAGGCGGCCTGGAAGGGGTTCGTGTTGTCTCTGTTCGACTACAAGACAGCAAAGTTCGTGGTCG
CCAAGAGCAAGAAGGTGGGGCTGCTCTACCGGGTGCTGCAGCTCACCATCCTGTTGTACTTACTCATATG
GGTGTTTCTGATAAAGAAGAGTTATCAGGACATTGACACTTCCCTGCAGAGTGCTGTGGTCACCAAAGTC
AAGGGGGTGGCCTATACCAACACCACGATGCTTGGGGAACGGCTCTGGGATGTGGCAGACTTTGTCATTC
CGTCTCAGGGGGAGAACGTTTTCTTCGTGGTCACCAACCTGATCGTGACTCCTAACCAGCGGCAGGGCAT
CTGTGCTGAGCGTGAAGGCATCCCGGATGGCGAGTGTTCAGAGGACACCGACTGTCACGCTGGGGAGTCT
GTTGTAGCGGGACACGGACTGAAAACTGGTCGCTGTCTACGGGTGGGGAACTCTACCCGGGGCACCTGTG
AGATCTTTGCTTGGTGCCCAGTGGAGACAAAGTCCATGCCAACGGATCCCCTCCTGAAGGACGCAGAAGG
CTTCACCATTTTCATAAAGAACTTCATTCGCTTCCCCAAGTTCAACTTCTCCAAAGCCAATGTGCTAGAA
ACAGGCAACAAACATTTCCTGAAAACCTGTCACTTCAGCTCCACCAATCTCTACTGCCCCATCTTCCGAC
TGGGGTCCATTGTTCGCTGGGCAGGGGCTGACTTCCAGGACATAGCCCTGAAGGGCGGTGTGATAGGAAT
CCACATTGAATGGGACTGTGACCTTGATAAAGCTGCCTCCCACTGCAACCCACACTATTATTTCAACCGT
CTGGACAACAAACACACACAATCCATCTCCTCTGGGTATAACTTCAGGTTTGCCAGGTATTACCGTGACC
CTCATGGGGTAGAGTTCCGTGACCTGATGAAAGCATATGGCATCCGCTTTGATGTGATAGTTAATGGCAA
GGCGGGAAAATTCAGCATCATCCCCACAGTCATCAACATTGGTTCCGGGCTGGCGCTCATGGGTGCTGGG
GCTTTCTTCTGTGACCTGGTACTTATCTACCTCATCAGAAAGAGCGAGTTTTACCGAGACAAGAAGTTTG
AGAAGGTGAGGGGTCAGAAGGAGGAAGATAATGTTGAGGTTGAGGCCAACGAGATGGAGCAGGAGCTGCC
AGAGGACAAGCCACTGGAGAGGGTTCATCAGGACGAGCAGGCCCTGGAACTGGTCCAGAGTGGCAGGAAG
CAGAATAGCAACTGCCAGGTGCTCTTCGAGCCTGCCAGGTCTGGCCTCCAGGAGAATGCCTTCGTGAACA
TGAAGCCATCACAGATCTTGCAAACAGTGAAGACG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

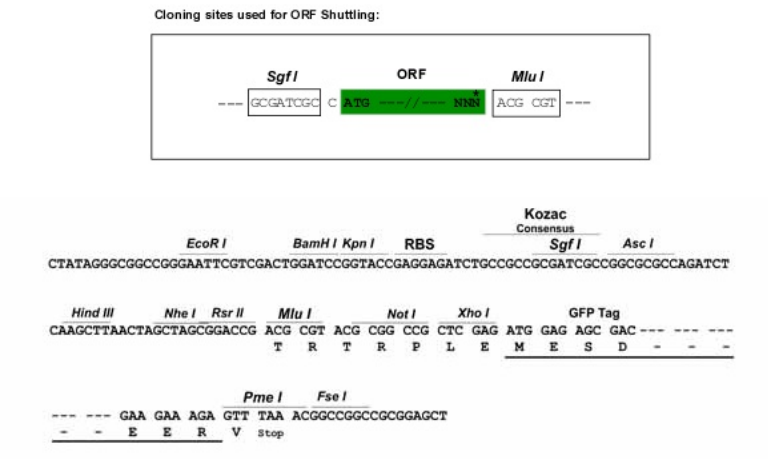
>MG215140 representing NM_033321
Red=Cloning site Green=Tags(s)

MGQAAWKGFVLSLFDYKTAKFVVAKSKKVGLLYRVLQLTILLYLLIWVFLIKKSYQDIDTSLQSAVVTKV
KGVAYTNTTMLGERLWDVADFVIPSQGENVFFVVTNLIVTPNQRQGICAEREGIPDGECSEDTDCHAGES
VVAGHGLKTGRCLRVGNSTRGTCEIFAWCPVETKSMPTDPLLKDAEGFTIFIKNFIRFPKFNFSKANVLE
TGNKHFLKTCHFSSTNLYCPIFRLGSIVRWAGADFQDIALKGGVIGIHIEWDCDLDKAASHCNPHYYFNR
LDNKHTQSISSGYNFRFARYYRDPHGVEFRDLMKAYGIRFDVIVNGKAGKFSIIPTVINIGSGLALMGAG
AFFCDLVLIYLIRKSEFYRDKKFEKVRGQKEEDNVEVEANEMEQELPEDKPLERVHQDEQALELVQSGRK
QNSNCQVLFEPARSGLQENAFVNMKPSQILQTVKT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_033321

ORF Size: 1365 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_033321.3, NP_201578.2

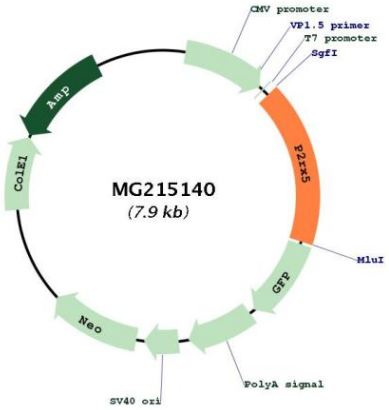
RefSeq Size: 2293 bp

RefSeq ORF: 1368 bp

Locus ID: 94045

Cytogenetics: 11 B4

Product images:



Circular map for MG215140