

Product datasheet for SC307170

MPRA (PAQR7) (NM_178422) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MPRA (PAQR7) (NM_178422) Human Untagged Clone
Tag:	Tag Free
Symbol:	MPRA
Synonyms:	MPRA; mSR; PGLP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307170 representing NM_178422. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
 ATGGCCATGGCCAGAACTCAGCCACCTCCTGCCGAGTCTGCCGAGGTCCAGGAGCCTCAGCTA
 TCTCTGCAGCCAGAGCCTGTCTTCACGGTGGATCGAGCTGAGGTGCCGCCGCTCTTCTGGAAGCCGTAC
 ATCTATGCGGGCTACCGGCCGCTGCATCAGACCTGGCGCTTCTATTTCCGCACGCTGTTCCAGCAGCAC
 AACGAGGCCGTGAATGTCTGGACCCACCTGCTGGCGGCCCTGGTACTGCTGCTGCGGCTGGCCCTCTTT
 GTGGAGACCGTGGACTTCTGGGAGACCCACACGCCCTGCCCTCTTCATCATTGCTCTTGCCTCTTTT
 ACCTACCTCTCCTTCAGTGCCTTGGCTCACCTCCTGCAGGCCAAGTCTGAGTTCTGGCATTACAGCTTC
 TTCTTCTCTGGACTATGTGGGGTGGCCGTGTACAGTTTGGCAGTGCCTTGGCACACTTCTACTATGCT
 ATCGAGCCCGCCTGGCATGCCAGGTGCAGGCTGTTTTCTGCCCATGGCTGCCTTTCTCGCCTGGCTT
 TCCTGCATTGGCTCCTGTATACAAGTACATCCAGAAACCAGGCCTGCTGGGCCGCACATGCCAGGAG
 GTGCCCTCCGTCTGGCTACGCACTGGACATTAGTCTGTGGTGCATCGTATCTTCGTGTCTCCGAC
 CCCACCACGGATGATCCAGCTCTTCTCTACCACAAGTGCCAGGTGGTCTTCTTCTGTGGCTGTGCC
 TTCTTCTCTACCTTCATGCCGAGCGTGGTTCCTGGCAGCTGCCATGTCTTCGGGCAGGGCCACCAA
 CTTTTCCACATCTTCTTGGTGTGTGCACGCTGGCTCAGCTGGAGGCTGTGGCACTGGACTATGAGGCC
 CGACGGCCCATCTATGAGCCTCTGCACACGCACTGGCCTCACAACCTTTCTGGCCTCTTCTGCTCAGC
 GTGGGCAGCAGCATCCTCACTGCATTCTCTGAGCCAGCTGGTACAGCGCAAACCTTGATCAGAAGACC
 AAGTGA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_178422


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Insert Size:	1041 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_178422.5</u>
RefSeq Size:	3023 bp
RefSeq ORF:	1041 bp
Locus ID:	164091
UniProt ID:	<u>Q86WK9</u>
Cytogenetics:	1p36.11
Protein Families:	Druggable Genome, Transmembrane
MW:	39.7 kDa
Gene Summary:	Plasma membrane progesterone (P4) receptor coupled to G proteins (PubMed:23763432). Seems to act through a G(i) mediated pathway (PubMed:23763432). May be involved in oocyte maturation (PubMed:12601167). Involved in neurosteroid inhibition of apoptosis (PubMed:23161870). Also binds dehydroepiandrosterone (DHEA), pregnanolone, pregnenolone and allopregnanolone (PubMed:23161870).[UniProtKB/Swiss-Prot Function]