

Product datasheet for **SC310971**

PAQR3 (NM_001040202) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	PAQR3
Synonyms:	RKTG
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC310971 representing NM_001040202. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCATCAGAAGCTGCTGAAGAGCGCGCATTACATCGAGCTGGGCAGCTACCAGTACTGGCCGGTCTCTG
GTGCCCCGTGGCATCCGCCTGTACACCTACGAGCAGATCCCCGGGTCCCTCAAGGACAACCCGTACATC
ACCGACGGCTACCGGGCTACCTGCCGTCCAGGCTGTGTATCAAAAGTTTGTATTATTTATCTAATGAG
ACAGTAAACATCTGGAGTCAATTTGCTGGGTTTCTTCTCTTCTTCCACCTGGGAATATATGACATGACA
TCTGTGTTACCTTCAGCAAGTGCCTCCAGAGAAGATTTGTAATTTGTTCTATTTGTCTTTTCTGCTTC
CAGGTCTGTATGCTTTGCTCTGTGGGCTATCATCTTTTCTGCCATCGGTCAGAAAAACATGTCGA
AGATGGATGGCATTAGATTATGCAGGAATTTCTATTGGAATACTGGGCTGCTATGTCTCAGGAGTATTT
TACGCATTTTATTGTAATAACTACTGGCGTCAGGTGTACTTGATCACAGTGCTTGCTATGATCCTGGCA
GTGTTCTTTGCGCAGATTATCCCAATTACCTCACGCAGCAATGGCAAAGGCTCCGTTCTATCATCTTT
TGTTCTGTTTCGGGATATGGAGTGATTCTACTCTTCACTGGGTTTGGCTCAATGGAGGAATTGGTGCT
CCTATTGTACAGGACTTTGCACCCCGTGAATTGTGATGTATATGATTGCTCTTCTTCTTCTTCTTCTTCT
TACATTTCCAAAGTCCCAGAGCGGTACTTTCCAGGACAACCTAACTACCTCGGATCAAGCCACCAATA
TGGCATATCCTTGCAGTAGTGATGTTATATTGGTGGCATCAGTCAACAGTGTATGTCATGCAGTACAGA
CATAGCAAGCCTTGCTGCTGACTATGTTTCACATTTGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCGCCGGC
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001040202
Insert Size:	936 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001040202.1</u>
RefSeq Size:	3739 bp
RefSeq ORF:	936 bp
Locus ID:	152559
UniProt ID:	<u>Q6TCH7</u>
Cytogenetics:	4q21.21
Protein Families:	Druggable Genome, Transmembrane
MW:	36.2 kDa
Gene Summary:	This gene encodes a seven-transmembrane protein localized in the Golgi apparatus in mammalian cells. The encoded protein belongs to the progestin and adipoQ receptor (PAQR) family. This protein functions as a tumor suppressor by inhibiting the Raf/MEK/ERK signaling cascade. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2017] Transcript Variant: This variant (1) encodes the longer isoform (1).