

Product datasheet for **SC120613**

GPR73A (PROKR1) (NM_138964) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR73A (PROKR1) (NM_138964) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR73A
Synonyms:	GPR73; GPR73a; PK-R1; PKR1; ZAQ
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>SC120613 representing NM_138964. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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CGCGCCGCGAATTCGGCACGAGGGTCCGCGCGGGCCGGGTCCGGGGATCTGCAGCGCGCGCGAAGG
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_138964 unedited
 TACAAAAATTTGTTAAACGACCTCACTATAGGGCCGGCCCGGACTTCGGCACGATGCTC
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 GGCCGGGAAGTATCCCCGAAGCGAGGAGGAAGGGAGCGGGGACCTGCCCTTCGCCTGCCG
 GCCTTCTGGAAGAAAGCGTCTCCTGATCCGGCCCCGGAATAAAGAAACCCGGACCTTGCC
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 GNCATTGACAGTATCTTGTCTATTGTTTCATTCGCTGAGACCAGATTGAAAGTGCAACAG
 CCCCTGGCCTGATTGCCTGT

Restriction Sites:	NotI-NotI
ACCN:	NM_138964
Insert Size:	3944 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).
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_138964.2
RefSeq Size:	1182 bp
RefSeq ORF:	3944 bp
Locus ID:	10887
UniProt ID:	Q8TCW9

Cytogenetics:	2p13.3
Domains:	7tm_1
Protein Families:	Druggable Genome, GPCR, Transmembrane
MW:	147.3 kDa

Gene Summary: This gene encodes a member of the G-protein-coupled receptor family. The encoded protein binds to prokineticins (1 and 2), leading to the activation of MAPK and STAT signaling pathways. Prokineticins are protein ligands involved in angiogenesis and inflammation. The encoded protein is expressed in peripheral tissues such as those comprising the circulatory system, lungs, reproductive system, endocrine system and the gastrointestinal system. The protein may be involved in signaling in human fetal ovary during initiation of primordial follicle formation. Sequence variants in this gene may be associated with recurrent miscarriage. [provided by RefSeq, Aug 2016]