

Product datasheet for **SC100222**

GPR73B (PROKR2) (NM_144773) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR73B (PROKR2) (NM_144773) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR73B
Synonyms:	dj680N4.3; GPR73b; GPR73L1; GPRg2; HH3; KAL3; PKR2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_144773 edited
GAATTCGGCAGCAGGCTGGCTCCAAGCAGACATCACCATGGCAGCCCAGAATGGAACAC
CAGTTTACACCCAACCTTAATCCACCCCAAGACCATGCCTCCTCCTCTCCTTTAACTT
CAGTTATGGTGATTATGACCTCCCTATGGATGAGGATGAGGACATGACCAAGACCCGGAC
CTTCTTCGCAGCAAGATCGTCATTGGCATTGCACTGGCAGGCATCATGCTGGTCTGCGG
CATCGGTAACCTTTGTCTTTATCGCTGCCCTCACCCGCTATAAGAAGTTGCGCAACCTCAC
CAATCTGCTCATTGCCAACCTGGCCATCTCCGACTTCTGGTGGCCATCATCTGCTGCC
CTTCGAGATGGACTACTACGTGGTACGGCAGCTCTCCTGGGAGCATGGCCACGTGCTCTG
TGCTCCGTCAACTACCTGCGCACCGTCTCCCTTACGTCTCCACCAATGCCTTGTGTCG
CATTGCCATTGACAGATATCTCGCCATCGTTCACCCCTTGAAACCACGGATGAATTATCA
AACGGCTCCTTCTGATCGCCTTGGTCTGGATGGTGTCCATTCTCATTGCCATCCCATC
GGCTTACTTTGCAACAGAAACGGTCTCTTTATTGTCAAGAGCCAGGAGAAGATCTTCTG
TGGCCAGATCTGGCCTGTGGATCAGCAGCTCTACTACAAGTCTACTTCTCTTCATCTT
TGGTGTGAGTTCGTGGCCCTGTGGTACCATGACCCTGTGCTATGCCAGGATCTCCCG
GGAGCTCTGGTTCAAGGCAGTCCCTGGGTCCAGACGGAGCAGATTGCGAAGCGGCTGCG
CTGCCGAGGAAGACGGTCTGGTGTCTATGTGATTCTCACGGCTATGTGCTGTGCTG
GGCACCTTCTACGGTTTACCATCGTTCGTGACTTCTTCCCCACTGTGTTTCGTGAAGGA
AAAGCACTACCTCACTGCCTTCTACGTGGTTCGAGTGCATCGCCATGAGCAACAGCATGAT
CAACACCGTGTGCTTCGTGACGGTCAAGAACAACACCATGAAGTACTTCAAGAAGATGAT
GCTGCTGCACTGGCGTCCCTCCCAGCGGGGAGCAAGTCCAGTGTGACCTTGACCTCAG
AACCAACGGGGTCCCCACCACAGAAGAGGTGGACTGTATCAGGCTGAAGTGACCCACTGG
TGTACACAATTGAAAACCCAGTCCAGTACTCAGAGCATCACCCACCATCAACCAAGTT
CATAGGCTGCATGGGAAATGACATCTGTGTTTCATGCCTCCCCCGTGCCCTCAAGAAGCTG
AATGCTGCAAAGTCGTAACATAACAATGAGACTAGACATGAACCAATCAGCTGACATTTA
CTGATATCCGCTCGACACCTACTGTGTCCACAATCCCAACAAGGAGATTAGACACAAGGA
GCAGCAACTGACATGGACTGAACATGTAAGTGTGCAAAACCACACCAATGAGATTAGACA
GGGACAGCAGGAGCTGACATTTACTCTTACCTACTGTAATAAAAAACACTTGATTTGAT
TACAATCAAAAACATATAAAAAACATAACAAAGTAGCAGAAGCTATTGGAGTTTCCAAGC
TATCTCCAGATATATAGATAGTTACCCTCCATCTTCCCTAATTCTGTATCTTACCAGTG
CAGGAATATCAAAGGCTATAGGCCAGGCATGATGGCTCATGCCTGTAATCCCAGCACTT
GGGGAGGCTGAGGCACGTGGAACACTTGAGGTCAGGAGTTCAACCCAGGCTGGCCAACAT
GGTGAAACCTGTCTCTACTAAAAATACAAAATTAGCTAGGCGTGGTGGCGGGCGCTGT
AATCCCAGTTACXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXGTGTCAGCAGGATTCATCACCTGTTCTTTTGTCTAGAAATATACCAACT
TCCTTTCATTGAAATTTAACTGAAAAAATTTTGTAAATATCAGTGTGATTTGTGATTT
TCCAGTGATTAAGTGAATGTTGTTATCCAATTAATAATTAACATGTGAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAACTCGAC
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_144773 unedited
 NATACGACTTCACTATAGGGCGGCCGCGATTTCGGCACGAGGCTGGCTCCAAGCAGACATC
 ACCATGGCAGCCCAGAATGGAACACCAGTTTCACACCCAACCTTAATCCACCCCAAGAC
 CATGCCTCCTCCTCCTCTTAACTTCAGTTATGGTGATTATGACCTCCCTATGGATGAG
 GATGAGGACATGACCAAGACCCGGACCTTCTTCGCAGCCAAGATCGTCATTGGCATTGCA
 CTGGCAGGCATCATGCTGGTCTGCGGCATCGGTAACCTTTGTCTTTATCGTGCCCTCACC
 CGCTATAAGAAGTTGCGCAACCTCACCAATCTGCTCATTGCCAACCTGGCCATCTCCGAC
 TTCTGGTGGCCATCATCTGCTGCCCTTCGAGATGGACTACTACGTGGTACGGCAGCTC
 TCCTGGGAGCATGGCCACGTGCTCTGTGCCTNCGTCAACTACCTGCGCACCGTCTNCCTC
 TACGTCTNCACAATGCCTTGCTGGCCATTGNCATTGACAGATATCTCGCCATCGTTCACC
 CCTTGAACCACGGATGAATTATCAAACGGCCTTCTTNCCTGATCGCCTTGGTCTGGATGG
 GGGTCCATTCTCATGGCCATCCATCGGCTTACTTTGCACAGAAAACGGTCTCTTTAATTG
 TCAAGAGCCAGAGAGATCTTCTGTGGCCAGACTGGCCTGGGGATCAGCAGTTTACTACAA
 GGCCTACTTCTTCTCATACTTGGGGCAAGTCCGGGGCCCTGGGGACCCAGGACCCTGG
 GCTTTCCAGGATTTCCCGGGCCTTGGTAAGGGCAGCCCTGGGTTTCAAAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_144773 unedited
 GGACCGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTCACATGT
 TAATTATTTAATTGGATAACAACATTACACTTTAATCACTGGAAAATCACAAATACCCAC
 TGATATTTACAAAAGTTTTTTCAGTTAAATTTCAATGAAAGGAAGTTGGTATATTCTAGG
 AAAAAAAGGAACAGGGTATGAATCCTGCTGACAGACTTGACTGGTACATGGTCCATTCC
 TAAAGAATCTCCTGATTCGGCTAAGAGCCAGGATAGAATAATAAATAAAAATACAATTAT
 TATATTTATAGAAATGTACATAACCTAAAATTGTTACTTGCTTGGCTAATATTATAGTGT
 GTTTGCATTTTCTTTATTTTCTTTTGTAGATGGAATCTTGCTCTATCACCCAGGCTGGA
 GTGCAGTGGTGTGATCTCAATCACTGCAACCTCTGCCTCCGGGGGTTCAAGCAATTCTC
 ATGCCTCAGCCTCCTGAGGAGCTGGGACCACAGGCATGTGCCACCACGCCAGCTAATTTCT
 TGTATTTTCTAGAGATGGGGTTTTTGGCCATGTTGGCCAGGCTGGTCTCGAACTCCCGA
 CCCCAGGTGATCTGCCCATCTTGGCCTCCCGAATGCTGGGATTACAGATGTGAGCCACCA
 TGCCCGCCTGCATTTTCTGAGAGTACAATGATTGGCTGAAGGTGAATCTGCTGGGTGGT
 GAAAAAAAAAATATTGGTTGAACTTCGTCCGAGAACCAATCCCCAATTATTAGAACAC
 TCCAACCAGCAAACATTTATTTCTTGGTCATAAAAAAAAAATAGAAATGGGTCAAATTGGTTG
 GGGCAGTCCCCACACCAGTCCTTTTTGCTTGTCTCCCCCTCCAATGGATCAGAAGAATGAA
 GACTGGTCTCCCGTCCCAATGGTTTACCAACCGTTCCGATTGGATTTTTCCCGCCTG
 GGTGCTTTTTGCACTGGCCGGGGCTGTGAACCTTTTGACCCCGGGG

Restriction Sites:

NotI-NotI

ACCN:

NM_144773

Insert Size:

4400 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.
RefSeq:	NM_144773.2 , NP_658986.1
RefSeq Size:	1155 bp
RefSeq ORF:	1155 bp
Locus ID:	128674
UniProt ID:	Q8NFI6
Cytogenetics:	20p12.3
Domains:	7tm_1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Gene Summary:	Prokineticins are secreted proteins that can promote angiogenesis and induce strong gastrointestinal smooth muscle contraction. The protein encoded by this gene is an integral membrane protein and G protein-coupled receptor for prokineticins. The encoded protein is similar in sequence to GPR73, another G protein-coupled receptor for prokineticins. [provided by RefSeq, Jul 2008]