

Product datasheet for **SC118484**

PIGR (NM_002644) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PIGR (NM_002644) Human Untagged Clone
Tag:	Tag Free
Symbol:	PIGR
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_002644 edited

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GAATTCGGCAGCACTGGCCAGCAGGCTGTGTCCCTGAAGTCAGATCAACGGGAGAG
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CAGGGAGCTAGAGGTGGCTGCATAACCCCTCATCTCCTCGGAGGGCTACGTCTCCAGCAA
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TGAATAACACGGGCTGCCAGGCCCTGCCAGCCAAGACGAAGGCCCCAGCAAGGCTTC

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GTGAACTGTGACGAGAACAGCCGGCTTGTCTCCCTGACCCTGAACCTGGTGACCAGGGCT
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 AA
 AA
 AAACTCGAC

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_002644 unedited
 GAATTTGTAATACGAACCTACTATAGGGCGCCGGAATTGCGACGAGCAACTGGCCAGC
 AGGCTGTGTCCCTGAAGTCAGATCAACGGGAGAGAAGGAAGTGGCTAAAACATTGCACAG
 GAGAAGTCGGCCTGAGTGGTGGCGCTCGGGACCCACCAGCAATGCTGCTCTTCGTGCT
 CACCTGCCTGCTGGCGGTCTCCAGCCATCTCCACGAAGAGTCCCATATTTGGTCCCGA
 GGAGGTGAATAGTGTGGAAGGTAAGTCAAGTGTCCATCACGTGCTACTACCCACCCACCTC
 TGTCAACCGGCACACCCGGAAGTACTGGTGCCGGCAGGGAGCTAGAGGTGGCTGCATAAC
 CCTCATCTCCTCGGAGGGCTACGTCTCCAGCAAAATGACAGGCAGGGCTAACCTACCAA
 CTTCCCGGAGAACGGCACATTTGGTGAACATTGCCAGCTGAGCCAGGATGACTCCGG
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 GGTGAGCCAGGGTCTGNGCTCCTAAATGACACTAAAGTCTACACAGTGGACCTGGGCAG
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 CATCACCAAACTCAGCTCAGCGATGCTGGGCAGTATCTCTGCCAGCTGGGGATGATNCC
 AANTAGTATAGAAGATGCTGACCTNCAAGTGTAAAGCCCGAGCCGAGCTGGNTTATGAA
 GACCTGAGGGCTCAGTGACCTTCACTGTGCCCTGGCCCTGAGTGCAAACGTGGCCAAT
 TTCTGTGCCGACGAGCANTGGGAAAAGTGTGACATNGTCGTAACACC

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_002644 unedited AAAAAGGTCNCGGGCGTTCTGCTCAGTATTACAAGTACGGATCTNCTGAACTCGTGTGAC CTAGAGCCATGCTGGCGAGTCTGGTTGAAAACAGCAGTGATAGGATAAAAAAATAAATT GTACCTGTCTGGAGAGCAGCCCCCTTTATGGGACCATAAAACACTAAATTGTATCCCTTAA ACTCGAACTGTGCCAACATAATGTGTAGAGAAGGCCCGCCATTCTTTTATATGGACAC CATGTGAGTGACAGAAAGAGGCAGACTAGAAAAGATCTCGCTGCTTAACATTTTCTATTC TCACTACTTCTGCTTATTATAAAACCGCCTATCAACAATGGGCAAGGGCTCTCAGCA CATAGATCCCTGAACAAGGACAGGAGATGCGCAAATAAATACTCACTGAGGGCCTTA GAGAAAAACGCTTCCAGACCACGCTCAGTGGCTCATGCCTATCTAATACCAGTACTCTGA AAACCTGATGCGGCATATCACTTGATGCCAAAAGTTTCGAGACCAGTCTCGTAACATGGCA AAACCCTGTCTCTACANNNANANAAAAAATAAGCCAGACATGGTGGCCACACA TCTGTAGTCCCACCTACTTGAGAGGCTGAGGCATGAGAATACCTTGAACCTGGAAAGCAC AAGTTTCAGTGACCCGAGATTGGCTCACTGCATTCCAGGCTGGGTGACACAGGGAGACTT TGTCTTACACAAAGGAAAAGAAAAAAGAAGCCCGGACCCGGTGGCTCCCGCCCTGTAA TCCCAACCCTTTTGTGGAGGCCAACGCAGGCGGGTCCACCAAGGCAGGAGATCGAAACCA TTCTGGTTAACCCGGGGCAACCCTGTCTTTTCTAAAAACAGAAAATTTCAAGGCTTTC TTGCAAGGGCATTAAAAACA
Restriction Sites:	NotI-NotI
ACCN:	NM_002644
Insert Size:	4350 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_002644.2 , NP_002635.2
RefSeq Size:	4266 bp
RefSeq ORF:	2295 bp
Locus ID:	5284
UniProt ID:	P01833
Cytogenetics:	1q32.1
Domains:	ig, IGv, IG
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane

Gene Summary:

This gene is a member of the immunoglobulin superfamily. The encoded poly-Ig receptor binds polymeric immunoglobulin molecules at the basolateral surface of epithelial cells; the complex is then transported across the cell to be secreted at the apical surface. A significant association was found between immunoglobulin A nephropathy and several SNPs in this gene.[provided by RefSeq, Sep 2009]