

Product datasheet for **SC109570**

PIGF (NM_173074) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PIGF (NM_173074) Human Untagged Clone
Tag:	Tag Free
Symbol:	PIGF
Synonyms:	OORS
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC109570 sequence for NM_173074 edited (data generated by NextGen Sequencing)

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ATGAAAGATAACGATATCAAGAGACTACTGTATACCCATCTTTTATGCATATTTTCAATT
ATCCTAAGTGTCTTCATTCCATCACTCTTCTTGGAGAAGTCTCAATATTGGAAACACAC
TTGACATGGTTTGCATCTGTTCTGGTTTTGTAAGTCTGCAATCTAGTACTATATTTA
GTAGTGAACCAATACATCCTCTAAAAGAAGTTCATTATCACACAAGGTAAGTGGATTT
TTGAAATGCTGTATCTACTTTCTTATGTCTTGTCTCTCTTTCATGTAATTTTTGTTCTG
TATGGAGCACCCTGATAGAGTTGGCATTGAAACATTTTTATTTGCAGTTATTTTGTCT
ACTTTTACTACTGTGCCTTGCTTATGTTTGTAGGACCAACCTCAAAGCATGGCTAAGA
GTGTTTCAGTAGAAATGGAGTTACATCCATATGGGAGAATAGTCTCCAGATCACTACAATT
TCTAGCTTTGTAGGAGCATGGCTTGGAGCACTTCTATTCCACTGGATTGGGAAAGACCA
TGGCAGATGACAGTAGAAAGAAAACGTAGCACTTATAGATCTCTCCATGTACCCTGCAGG
GGGCTTGGTACTGTGAAATGA
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Clone variation with respect to NM_173074.2



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_173074 unedited</p> <pre> ATTTTGTAAATACGACTTACTATAGNNGCGGCCGCAATTNNCGGCACGAAGGGGTAGC CCATCCAAGTAAAACCACCATGAAAAATAACGATATCAAGAGACTACTGTATACCCATCT TTTATGCATATTTTCAATTATCCTAAGTGTCTTCATTCCATCACTCTTCTGGAGAACTT CTCAATATTGGAAACACACTTGACATGGTTGTGCATCTGTTCTGGTTTTGTAAGTCTGT CAATCTAGTACTATATTTAGTAGTGAACCAAATACATCCTCTAAAAGAAGTTCATTATC ACACAAGGTAACCTGGATTTTTGAAATGCTGTATCTACTTTCTTATGTCTTGTCTCCTT TCATGTAATTTTTGTTCTGTATGGAGCACCCTGATAGAGTTGGCGTTGGAACATTTTT ATTTGCAGTTATTTTGTCTACTTTTACTACTGTGCCTTGCTTATGTTTGTAGGACCAAA CCTCAAAGCATGGCTAAGAGTGTTCAGTAGAAATGGAGTTACATCCATATGGGAGAATAG TCTCCAGATCACTACAATTTCTAGCTTTGTAGGAGCATGGCTTGGAGCACTTCTATTCC ACTGGATTGGAAAGACCATGGCAGATGACAGTAGAAAGAAAACGTAGCACTTATAGATC TCTCCATGTACCCTGCAGGGGGCTTGGTACTGTGAAATGAGTAACTTAATCCTGACAACC GTAGTGAAGGTATGGCCATCTCCTGTACGCTTGGAGCGACCTTTTGTACGTGCCTGG CCTTGTTATTTACCACCTCTGGATATACTGGAATAGAAAGCCACTTACATACAAGAACAA TTAACTGGAGCAAAGGGAGATATTCTTTGTCAAATTCTGTAAGGCTGGCCAGAATGTGT ATGGTCAAAGCCAACATTCCATTACAGCTCTGTTTTACGTAGTACACCTGAGTGAATGTA CCTTTAAACTTGAACCCCTGAAAATGGCCT </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_173074 unedited</p> <pre> TCCGCGGCCGCTTCTANATCGAGTTTTTTTTTTTTTTTTTTTTTCTATTATAAATACTTTAT TTCAACTAGAAGGTACAATCTCTCAGGGGTTTCATAGTTTAAAAAGCTACAATCACATCA TGTTGTAACCTACGTAACAAACAGAGCTGTAATGGAAGTCTTGGCTTTGACCATACACA TTTCTGCCAGCCCTTACAGAATCTGCACAAAGAAATATCTCCCTTTGCTCCAGTTAATT GTTCTTGATGTAAGTTGCTTTCTATTCCAGTATATCCAGAGTGGTGAATAACAAGGCC AGCCACGTAGCCAAAGGTCGCTCCAAGCGTACAGGAGATGGGCCATACCTTGCACACGG TTGTCAGGATTAAGTTACTCATTTCACAGTACCAAGCCCCCTGCAGGGTACATGGAGAGA TCTATAAGTGTACGTTTTCTTTCTACTGTCACTGCCATGGTCTTTCCCAATCCAGTGG AATAGGAAGTGTCCAAGCCATGCTCCTACAAAGCTAGAAATTGTAGTATCTGGAGACT ATTCTCCCATATGGATGTAATCCATTTCTACTGAACACTCTTAGCCATGCTTTGAGGTT TGGTCTTACAAACATAAGCAAGGCACAGTAGTAAAAGTAGACAAAATAACTGCAATAA AAATGTTTCCAACGCCAACTCTATCAGTGGTGTCCATACAGAACANNAATACCTGANAG GGAGAACAAGACATAAGAGAGTNGATACAGCATTTCAAAAATCCAGTTACCTTNGTGTGA TAATGACCTTCTTTNAGAGGATGTATTGGGTCCACTACTAAAATAGNACTAGAATGACA GCAGTTACAAACCAGAACAGATGCCCAACCATGTCAGTGTGNTTTCATATTGAAAAGTT CTCCAGAAGAGTGATGAATGAGAACCTTAAGATAATGAAATATGCTAAN </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_173074
Insert Size:	1000 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_173074.1 , NP_775097.1
RefSeq Size:	1083 bp
RefSeq ORF:	621 bp
Locus ID:	5281
UniProt ID:	Q07326
Cytogenetics:	2p21
Protein Families:	Transmembrane
Protein Pathways:	Glycosylphosphatidylinositol(GPI)-anchor biosynthesis, Metabolic pathways
Gene Summary:	<p>This gene encodes a protein involved in glycosylphosphatidylinositol (GPI)-anchor biosynthesis. The GPI-anchor, a glycolipid containing three mannose molecules in its core backbone, is found on many blood cells where it serves to anchor proteins to the cell surface. The encoded protein and another GPI synthesis protein, PIGO, function in the transfer of ethanolaminephosphate to the third mannose in GPI. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) includes an alternate exon in the 3' coding region compared to variant 1. The encoded isoform (2) is shorter and has a distinct C-terminus compared to isoform 1.</p>