

## Product datasheet for **SC117284**

### PIGH (NM\_004569) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PIGH (NM_004569) Human Untagged Clone
Tag:	Tag Free
Symbol:	PIGH
Synonyms:	GPI-H
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC117284 sequence for NM_004569 edited (data generated by NextGen Sequencing)

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ATGGAGGATGAGCGGAGCTTTTCGGATATCTGCGGCGGCCGCTGGCGCTGCAGCGCCGC  
TACTACTCCCGTCCTGCCGGAATTCTGCCTCAGCTGCCCTCGGCTCTCGCTGCGTTCC  
CTCACCGCTGTCACCTGCACGGTGTGGCTGGCGGCCTACGGACTTTCACCCTCTGCGAG  
AACAGCATGATCCTCTCTGCTGCCATCTTCATACCCTCTTAGGTCTGCTTGGTTATCTC  
CATTTTGTGAAGATTGATCAGGAGACTCTGTTAATCATTGATTCCTTGGCATTGAGATG  
ACTTCATCTTATGCTTCAGGCAAAGAAAGCACTACCTTCATAGAAATGGGCAAGGTCAAG  
GATATTGTCATCAATGAGGCCATTTACATGCAGAAGGTGATTTACTACCTCTGCATCTTA  
TTGAAAGATCCAGTGGAACCATGGGATATCCCAAGTAGTACCCGTCTCCAGAGTGCC  
AAGCCCCGGCTGGACTGCTTGAAGTATACAGGAGCTGCCAGGAGATCCTGGCACAC  
CAGAAAGCCACATCAACAAGCCCATGA
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Clone variation with respect to NM\_004569.3



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_004569 unedited</p> <pre> TTTTGGATTTGTAACCGACTTATATAGGCGGCCGCGCAATTCGCACGAGGGGCGAGCGCA GTGCAGCGCCGCGCGGTGCGGGCGGCCGAGTGGGGGCGTCATGGAGGATGAGCGGAGCTT TTCGGATATCTGCGGGCGGCCCTGGCGCTGCAGCGCCGCTACTACTCCCCGTCTGCCG GGAATTCGCCTCAGCTGCCCTCGGCTCTCGCTGCGTTCGCTCACCGCTGTCACCTGCAC GGTGTGGCTGGCGGCTACGGACTCTTCACCCTCTGCGAGAACAGCATGATCCTCTCTGC TGCCATCTTCATCACCCCTTAGTCTGCTTGGTTATCTCCATTTTGTGAAGATTGATCA GGAGACTCTGTTAATCATTGATTCCCTTGGCATTAGATGACTTATCTTATGCTTCAGG CAAAGAAAGCACTACCTTCATAGAAATGGCAAGGTCAAGGATATTGTCATCAATGAGGC CATTACATGCAGAAGGTGATTTACTACCTCTGCATCTTATTGAAAGATCCAGTGAAC ACATGGGATATCCCAAGTAGTACCCGCTTCCAGAGTGCCAAGCCCCGGCTGGACTGCTT GATTGAAGTATACAGGAGCTGCCAGGAGATCCTGGCACACCAGAAAGCCACATCAACAAG CCCATGAGCCCCAGCGTTCAGAAGGCCAGCATTGTCTCCATGGGAGATGACTCTTAAGC CATAGGGGCTGGTTTTCCGTA CTCCAACATCANGTGGACACAGTCTAGGAACCATATG GATGTAGTGCATCTTAGACCATAGAGCANGTACTGGNAATCTAACTCAGTATATTTTC GTGATTATAGTGGTTTCCCTGGAGNNTTGCCTACTTTACCCAAGGNAGGGGAGACCT NNAGAATTTNGACACAGTATGTCAAAGTAATGTCAGCA </pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_004569 unedited</p> <pre> GGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTCAATATTTGCTTATTTATTCTT TGTTAACATGAAAGTCCCATGTCTGAAAACCAAAGTCCAATTTCTGTCTGGCCTTTTGTC TCATCCTTCTTGGCAAAAGTAGCTTTTGAAGTATATAAAAAAATGCTGAGTAACAGA AAAGTATTAATGTGCTTGACACCATGACTGAAATACTATGATCTTGTGTTGCAATAAAAA GCAGTATCTGTGAACAGGTAAGTGTGTGTTTGGAAAGATCTGTTTATAACAGTAAAT AAATAAGCCCTGTACAGAACACAGGCACTAGGTTGACAGACTCGTCTTTGTAGGACATT TCTTCCTGCTAACCACTACTGAAGGGCTTGTGTTTTTCGTAACCTTACACAAGGGGACT ATTGGAAAATAGCTTTCTCAAGACATCTGATGTGAGTTCCCATGTTTTGCTTCACA AACATCAACAAAGTAAACCTGAACATGCTTAGCAATTTCCGAAAGTGTCTTTGCTGACA TTACTTTTGACATACTGTGTCAAATTTCTAAGGTCTCCCCTCCTTTGGTAAAGTAGGCA AAACCTTACAAGGAAAACACTATAATACACGGAAATATACTGAGTTAGATTTCCAGTCAC CTGCTCTATGGCTCTAAGATGCACTACATCCATAATGGTTCCTAGGACTGTGTCCACCTG ATGGTTTGGAGTCGGGAAAACCAAGCCCTATGGCTTAAGATCATCTCCATGGAAGACAT GCTGGCCTTCTGACGCTGGGGCTCATGGCTTGTGATGTGCCTTCTGGGTGCCAGGATCT CCTGACACTCCTGTACCTCATCAACCATACCCGGGGCTTGCCTTTGGAAAGGTCTA CCTGGATACCCTGGGTCCCTGATCTTCATAAAGCAAGGGGAAACCCCTTTGTG </pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_004569
<b>Insert Size:</b>	1310 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_004569.2</a> , <a href="#">NP_004560.1</a>
<b>RefSeq Size:</b>	1393 bp
<b>RefSeq ORF:</b>	567 bp
<b>Locus ID:</b>	5283
<b>UniProt ID:</b>	<a href="#">Q14442</a>
<b>Cytogenetics:</b>	14q24.1
<b>Protein Families:</b>	Transmembrane
<b>Protein Pathways:</b>	Glycosylphosphatidylinositol(GPI)-anchor biosynthesis, Metabolic pathways
<b>Gene Summary:</b>	This gene encodes an endoplasmic reticulum associated protein that is involved in glycosylphosphatidylinositol (GPI)-anchor biosynthesis. The GPI anchor is a glycolipid found on many blood cells and which serves to anchor proteins to the cell surface. The protein encoded by this gene is a subunit of the GPI N-acetylglucosaminyl (GlcNAc) transferase that transfers GlcNAc to phosphatidylinositol (PI) on the cytoplasmic side of the endoplasmic reticulum. [provided by RefSeq, Jul 2008]