

## Product datasheet for **SC310041**

### **PIGN (NM\_176787) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	PIGN (NM_176787) Human Untagged Clone
Tag:	Tag Free
Symbol:	PIGN
Synonyms:	MCAHS; MCAHS1; MCD4; MDC4; PIG-N
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >SC310041 representing NM\_176787.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGCTGCTGTTCTTTACTTTGGGATTGCTTATACATTTTGTGTTCTTCGCCTCCATCTTTGACATTTAT
TTTACATCTCCTTTGGTTTCATGGAATGACTCCTCAGTTTACACCATTGCCTCCTCCAGCGAGAAGATTA
GTGTTGTTTGTGCTGATGGCCTTCGAGCAGATGCACTTTACGAATTAGATGAAAATGGAAACTCTAGA
GCACCGTTTATTAGGAATATCATAATGCATGAAGGCAGCTGGGGCATATCTCATACACGTGTGCCAACA
GAATCTCGGCCAGGTATGTAGCTCTGATAGCTGGGTTTTATGAAGATGTCAGTGCAAGTTGCCAAAGGA
TGGAAAGAAAAATCCTGTAGAGTTTGATTCTTTTTTAAATGAAAGTAAATACACATGGAGCTGGGGAAGC
CCAGATATCTGCCTATGTTTGCCAAAGGTGCTAGTGGAGACCACGTTTATACATATAGTTATGATGCT
AAAAGAGAGGATTTTGGTCTCAAGATGCAACAAAAGTGGATACGTGGGTTTTGATAATGTTAAGGAC
TTCTTTCATCATGCCAGAAAACACAGTCTTTGTTTTCTAAAATAAATGAAGAGAAAATAGTTTTTTTC
TTACATTTATTAGGAATAGATACAAACGGACATGCTCATCGACCATCCTCGAGAGACTACAAGCACAAAT
ATTA AAAAAGTTGATGATGGAGTTAAAGAAATCGTGTCTATGTTTAAACCCTTCTATGAAAATGATGGG
AAAAACAATTTATCTTTACCTCTGACCATGGAATGACAGACTGGGGTCCCATGGGGCTGGTCATCCT
TCAGAGACTTTAACTCCTTTAGTCACTTGGGGAGCTGGAATCAAGTATCCCCAAAGAGTATCAGCTCAG
CAATTTGATGATGCATTTTTGAAAGAGTGGAGATTGGAGAATTGGAAGAGGCTAGATGTCAATCAGGCT
GATATTGCACCATTGATGACTCCCTTATTGGAGTTCCCTTTCTCTTAACTCAGTGGGAATCCTTCTCCT
GTGGATTATCTTAAACAACACTGATCTCTCAAAGCAGAGAGCATGTTTACAAATGCAGTACAGATTCTT
GAACAGTTCAAGGTGAAAATGACTCAGAAGAAAAGTACTTTACCATTTTTGTTTACACCAATTTAAA
CTGCTTTCTGATTCCAAACAGTCAACATTTTAAAGAAAAGCAAGATCTTATATAAAAACAGAAAAGTTT
GATGAAGTGGTCTCCCTTTGCAAGGAGCTAATTCATCTTGCAATTGAAAGGATTGTCTATTATCACACA
TATGACAGATTCTTTTTGGGCGTCAATGTTGTTATTGGTTTTGTGGGATGGATATCTTATGCCTCTTTG
TTGATCATCAAGTCTCATTCCAACCTTATAAAAAGTGTAGTAAAGAAGTGAAGAAAACCAAGCCATCTC
CTGCCCTGTAGTTTTGTAGCTATTGGCATTTTAGTAGCATTTTTTCTGCTGATTCAAGCCTGTCCCTGG
ACATATTATGTATATGGTTTGTGCCACTGCCAATATGGTATGCGGTTCTAAGAGAATTTCAAGTTATT
CAGGACCTTGTGTATCAGTGTGACCTATCCTCTGAGCCATTTTGTGGGTACCTGTTAGCCTTTACC
CTGGGAATTGAAGTATTAGTTCTCAGTTTTTTCTACCGCTATATGCTTACCGCTGGACTTACTGCCTTT
GCAGCTTGGCCATTTCTCACTCGGCTGTGGACTCGAGCAAAGATGACCTCACTGAGTTGGACTTTCTTC
TCTTTGCTCCTGGCAGTGTCCCACTGATGCCGGTTGTAGGTCGAAAGCCAGACATCTCTAGTGATG
GGTGACAGGCTTGCTGGTCTTCTGTTATCCCTGTGTGTTGAACATCTCTCATGAAAAGAAAAGATAGC
TTTATAAAGGAAGAGCTATTGGTACATCTGTTACAGGTGCTGAGCACAGTGTCTCCATGTATGTTGTG
TATAGCACTCAGAGTAGTCTACTCAGGAAGCAAGGACTGCCTCTCATGAATCAAATTATTAGCTGGGCA
ACATTAGCCTCTTCTTGGTTGTGCCACTACTGAGTCTCCAGTCTCTTTCCAGCAGTGTTCAGCATA
CTTCTTTCATTGATGTCAACCTACCTACTTCTAAGCACAGGGTATGAAGCTCTCTTTCCACTAGTGTG
TCTTGTGTTGATGTTTGTCTGGATAAACATAGAACAAGAAACTCTACAACAATCTGGTGTGCTGTAAA
CAAAAGCTCACCCAGTATCCAGTCTCTTATAAATACTGATATAAATACTCAGTTTCGACAGCTATATCTGGAT
GACATCCGTAGGGCCTTTTTCTTGTCTTCTTCTTAGTGACAGCATTTTTTGGAACTGAAAATATAGCT
TCTATTAACAGCTTTGATCTTGCCTCTGTCTATTGCTTTCTGACTGTGTTAGTCCTTTTATGATGGGA
GCCCTGATGATGTGGAAGATTTTAAATCCCTTTGTTCTTGTATGTGTGCTTTTGAAGCAGTTTCAAGTTG
ACTACTCAGTTATCGTCAAAAAGCCTTTTTCTCATTGTTCTCGTCATATCAGACATTATGGCTTTGCAT
TTTTTCTTCTGGTCAAGGATTATGGCAGCTGGCTTGATATTGGGACAAGCATCAGCCACTATGTGATT
GTCATGTCCATGACCATTTTTTGGTGTCTCAATGGCCTGGCCAGCTGCTCACAAACGAAGAAACT
AGACTATGTGGCAAACCCAAAAGTCACTTCATGTGA
ACGGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
  
```

**Restriction Sites:** SgfI-MluI

**Plasmid Map:** □

<b>ACCN:</b>	NM_176787
<b>Insert Size:</b>	2796 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>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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>	<u><a href="#">NM_176787.4</a></u>
<b>RefSeq Size:</b>	4893 bp
<b>RefSeq ORF:</b>	2796 bp
<b>Locus ID:</b>	23556
<b>UniProt ID:</b>	<u><a href="#">O95427</a></u>
<b>Cytogenetics:</b>	18q21.33
<b>Protein Families:</b>	Transmembrane
<b>Protein Pathways:</b>	Glycosylphosphatidylinositol(GPI)-anchor biosynthesis, Metabolic pathways
<b>MW:</b>	105.8 kDa
<b>Gene Summary:</b>	<p>This gene encodes a protein that is involved in glycosylphosphatidylinositol (GPI)-anchor biosynthesis. The GPI-anchor is a glycolipid found on many blood cells and serves to anchor proteins to the cell surface. This protein is expressed in the endoplasmic reticulum and transfers phosphoethanolamine (EtNP) to the first mannose of the GPI anchor. Two alternatively spliced variants, which encode an identical isoform, have been reported. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) represents the longer variant. Variants 1 and 2 encode the same isoform.</p>