

## Product datasheet for **SC120166**

### Porimin (TMEM123) (NM\_052932) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Porimin (TMEM123) (NM_052932) Human Untagged Clone
Tag:	Tag Free
Symbol:	Porimin
Synonyms:	KCT3; PORIMIN; PORMIN
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC120166 sequence for NM_052932 edited (data generated by NextGen Sequencing)

```
ATGGGACTCGGCGCGAGGTGCTTGGGCCGCGCTGCTCCTGGGGACGCTGCAGGTGCTA
GCGCTGCTGGGGCCGCCATGAAAGCGCAGCCATGGCGGCATCTGCAAACATAGAGAAT
TCTGGGCTTCCACACAACCTCCAGTGCTAACTCAACAGAGACTCTCCAACATGTGCCTTCT
GACCATACAAATGAAACTTCCAACAGTACTGTGAAACCACCAACTTCAAGTTGCCTCAGAC
TCCAGTAATAACAACGGTCACCACCATGAAACCTACAGCGGCATCTAATACAACAACCA
GGGATGGTCTCAACAAATATGACTTCTACCACCTTAAAGTCTACACCCAAAACAACAAGT
GTTTCACAGAACACATCTCAGATATCAACATCCACAATGACCGTAACCCACAATAGTTCA
GTGACATCTGCTGCTTCATCAGTAACAATCACAACAATATGCATTCTGAAGCAAAGAAA
GGATCAAAATTTGATACTGGGAGCTTTGTTGGTGGTATTGTATTAACGCTGGGAGTTTTA
TCTATTCTTTACATTGGATGCAAAATGTATTACTCAAGAAGAGGCATTTCGGTATCGAACC
ATAGATGAACATGATGCCATCATTTAA
```

Clone variation with respect to NM\_052932.2



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_052932 unedited  
 CACTCGCGTCCCCTTGCCGCAATTGGGCGGTAGGCGGTGACGGTGGGAGGTCTATATAAGC  
 AGAGCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGCGA  
 ATTCGGCACGAGGGCGGCGCTCGCCTTCATCCAGGACAACAAAAGTCCATTTCCGAAGA  
 GAAAGGAAACGGCTCGCGGTTTCTGGGGTTCCCAAGCGCGCGCTGCGAGGGAGGCCGCG  
 AGCCGAGTGCACGCCCAGAACCCGAGCCCGCCCGCCGCCCACCCAGCCCGGCCCGC  
 CGCCCCGGCTGCGCACGCGACGCCCTCCAGGCCCGCTCCTGCGCCCTATTTGGTCAT  
 TCGGGGGCAAGCGGCGGAGGGGAAACGTGCGCGGCCGAAGGGGAAGCGAGCCGGCGC  
 CGGCTGCGCAGAGGAGCCGCTCTCGCCGCCACCTCGGCTGGGAGCCACGAGGCTGC  
 CGCATCCTGCCCTCGAAACAATGGGACTCGGCGCGGAGGTGCTTGGGCCGCGTCTCC  
 TGGGGACGCTGCAGGTGCTAGCGCTGCTGGGGCCGCCATGAAAGCGCAGCCATGGCGG  
 CATCTGCAACATAGAGAATTCTGGGCTCCACACAACCTCAGTGCTAACTCAACAGAGA  
 CTCTCCACATGTGCTTCTGACCATACCAATGAAACTCCAACAGTACTGTGAAACCAC  
 CAACTTCAAGTTCAGACTCCAGTAATACAACGGGTCACCACCATGAAACCTACAGCG  
 GCATCTAATAACAACACCAGGGATGGTCTCAACAAAATGACTTCTACCACCTTAAGTC  
 TACCCCAAAACCACAGTTGTTTACAGACACATTTTCAATATCAACATCCACATGGCCC  
 TTACCCCATAGTT

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_052932 unedited  
 CTAGGACCCGGCCGATCTANAGTCGATTTTTTTTTTTTTTTAGAAAGAGAACAATTTT  
 ATTCTAAAAATAGAACTTGGTAAACAATGAAATACCAAAGCTGGTCATTATAATAAAAAG  
 AAAAGAAGAGTTAACTTTTTTTTTGTGAAAATACAAAATTACTACTATAATACTGCC  
 AACTCTGTTTATCTGATTTGAATTATTCCTTTCATGGATTATTCAGGAAATTTAAAA  
 TTGGCTTCTGCTAGTACTTATACATCTGGATTGTTTGTGTTTATCTTACAGATAAATACA  
 TTCTCAAGGAATGCAAGCAAACTGAGCATTTTTTTTATGCTTAAGAAATATGGTCCAAA  
 GCAAAATTTTTTTTGCATAACCATTTCCCTCAATTTTTATAGATAACAACAACAAAAA  
 ACCTACATTCAAAGTACGGGATTTTAAAGTAACAATATACTACTTACATACAGAGAA  
 AAAGACATAACTAACTACTTCAAACCAATGCAGAGGAACTTTCAAGGCAAATGATGA  
 CTTAGTACTTAAAAAGTGGTTTTCTATCTTCAAAGTGCTAAAGAAACAAGTATTCAAAA  
 AGAAACTCAGGTCGGTCTACAAAGTCTGACTGACTTGAATTAGTGAATACCAAGAAT  
 GCAGTGGACCAATTTAAAGGCCCTCCTTAGAATAAGGGTTATCCTAACCCCTTTTTCG  
 AAAAAATGAACCAAGTGGTTGCACCACCCGTCAGGGCCAGNTTAGTAACNTNCAAGTCAG  
 CCATCAGGCCACGCGTCTATAAACAGAAGATAACTTAGTGGGTTTTTCAAAAAANTTCC  
 ACCCACCCTGCTGTGGGTTCCACCACCAACCAATACCCCATGGGAAACTTATTCG  
 CGTAATCAACCACAACGGACAAAACCCGGNNAAGGAAGAGGACCTGCTCCATCGCGCGAT  
 TCCGGGCACGACGACGCTCCAGCTCTTAG

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_052932

**Insert Size:**

3500 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:**

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\\_052932.1](#), [NP\\_443164.1](#)

**RefSeq Size:** 3338 bp

**RefSeq ORF:** 570 bp

**Locus ID:** 114908

**UniProt ID:** [Q8N131](#)

**Cytogenetics:** 11q22.2

**Protein Families:** Transmembrane

**Gene Summary:** This gene encodes a highly glycosylated transmembrane protein with a high content of threonine and serine residues in its extracellular domain, similar to a broadly defined category of proteins termed mucins. Exposure of some cell types to anti-PORIMIN (pro-oncosis receptor inducing membrane injury) antibody, crosslinks this protein on the cell surface and induces a type of cell death termed oncosis. Oncosis is distinct from apoptosis and is characterized by a loss of cell membrane integrity without DNA fragmentation. This gene product is proposed to function as a cell surface receptor that mediates cell death. [provided by RefSeq, Jul 2008]