

Product datasheet for SC317311

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:	TMEM123
Synonyms:	KCT3; PORIMIN; PORMIN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317311 representing NM_052932. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGGACTCGGCGCGGAGGTGCTTGGCCGCGCTGCTCCTGGGACGCTGCAGGTGCTAGCGCTGCTG
GGGGCCGCCCATGAAAGCGCAGCCATGGCGGCATCTGCAAACATAGAGAATTCTGGGCTTCCACACAAC
TCCAGTGCTAACTCAACAGAGACTCTCCAACATGTGCCTTCTGACCATACAAATGAAACTCCAACAGT
ACTGTGAAACCACCAACTTCAGTTGCCTCAGACTCCAGTAATACAACGGTCACCACCATGAAACCTACA
GCGGCATCTAATAACAACAACACCAGGGATGGTCTCAACAATATGACTTCTACCACCTTAAAGTCTACA
CCCAAAACAACAAGTGTTCACAGAACACATCTCAGATATCAACATCCACAATGACCGTAACCCACAAT
AGTTCAGTGACATCTGCTGCTTCATCAGTAACAATCACAACAACATGCAATTCTGAAGCAAAGAAAGGA
TCAAAATTTGATACTGGGAGCTTTGTTGGTGGTATTGTATTAACGCTGGGAGTTTTATCTATTCTTTAC
ATTGGATGCAAAATGTATTACTCAAGAAGAGGCATTTCGGTATCGAACCATAGATGAACATGATGCCATC
ATTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_052932
Insert Size:	627 bp



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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).
OTI Annotation:	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.
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_052932.2
RefSeq Size:	3605 bp
RefSeq ORF:	627 bp
Locus ID:	114908
UniProt ID:	Q8N131
Cytogenetics:	11q22.2
Protein Families:	Transmembrane
MW:	21.5 kDa
Gene Summary:	<p>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]</p>