

Product datasheet for RC207148

Porimin (TMEM123) (NM_052932) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Porimin (TMEM123) (NM_052932) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: Porimin
Synonyms: KCT3; PORIMIN; PORMIN
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC207148 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGACTCGGCGCGGAGGTGCTTGGGCCGCGCTGCTCCTGGGACGCTGCAGGTGCTAGCGCTGCTGG
 GGGCCGCCATGAAAGCGCAGCCATGGCGGCATCTGCAAACATAGAGAATTCTGGGCTTCCACACA
 CACTCAGTGCTAACTCAACAGAGACTCTCAACATGTGCCTTCTGACCATACAAATGAACTTCCAACAGTACT
 GTGAAACCACCACTTCAGTTGCCTCAGACTCCAGTAATACAACGGTACCACCATGAAACCTACAGCGG
 CATCTAATACAACAACACCAGGGATGGTCTCAACAAATATGACTTCTACCACCTAAAGTCTACACCCAA
 AACAAAGTGTTCACAGAACACATCTCAGATATCAACATCCACAATGACCGTAACCCACAATAGTTCA
 GTGACATCTGCTGCTTTCAGTAACAATCACAACAATATGCATTCTGAAGCAAAGAAAGGATCAAAT
 TTGATACTGGGAGCTTTGTTGGTGGTATTGATTAACGCTGGGAGTTTTATCTATTCTTTACATTGGATG
 CAAATGTATTACTCAAGAAGAGGCATTCGGTATCGAACCATAGATGAACATGATGCCATCATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC207148 protein sequence
 Red=Cloning site Green=Tags(s)

MGLGARGAWAALLLGLQVLALLGAAHESAAMAASANIENSGLPHNSSANSTETLQHVPDHTNETSNST
 VKPPTSVASDSSNTTVMKPTAASNTTTPGMVSTNMTSTTLKSTPKTTSVQNTSQISTSTMTVTHNSS
 VTSAASSVTITTTMHSEAKKGSKFDTGFSFVGGIVLTLGVLISILYIGCKMYYSRRGIRYRTIDEHDAII

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Chromatograms: https://cdn.origene.com/chromatograms/mk6333_c06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_052932

ORF Size: 624 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_052932.3](#)

RefSeq Size: 3605 bp

RefSeq ORF: 627 bp

Locus ID: 114908

UniProt ID: [Q8N131](#)

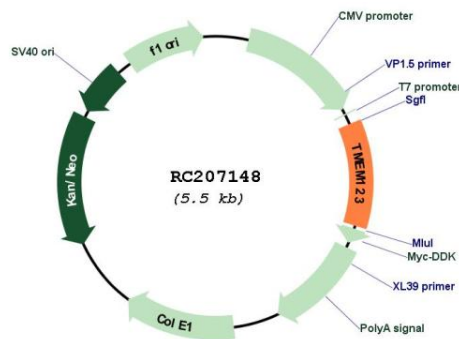
Cytogenetics: 11q22.2

Protein Families: Transmembrane

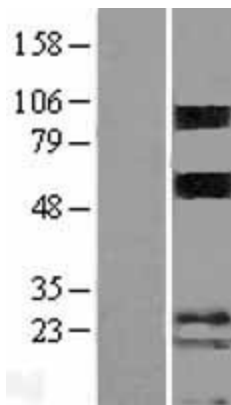
MW: 21.5 kDa

Gene Summary: 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]

Product images:



Circular map for RC207148



Western blot validation of overexpression lysate (Cat# [LY409388]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207148 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).