

Product datasheet for **SC111785**

PREI3 (MOB4) (NM_015387) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PREI3 (MOB4) (NM_015387) Human Untagged Clone
Tag:	Tag Free
Symbol:	PREI3
Synonyms:	2C4D; CGI-95; MOB1; MOB3; MOBKL3; PHOCN; PREI3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC111785 sequence for NM_015387 edited (data generated by NextGen Sequencing)

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ATGGTCATGGCGGAGGGGACGGCAGTGCTGAGGCGGAACAGGCCGGGCACCAAGGCGCAG
GATTTCTATAATTGGCCTGATGAATCCTTTGATGAAATGGACAGTACACTAGCTGTTCAA
CAGTATATTCAACAGAACATAAGAGCAGATTGCTCCAATATTGACAAAATTTCTGAACCA
CCTGAAGGCCAAGATGAAGGTGTGTGGAAGTGAACATTTAAGGCAGTTCTGCCTTGAG
CTAAATGGACTTGCTGTCAAACCTCAGAGTGAATGCCATCCAGATACTTGCACTCAAATG
ACAGCAACTGAACAATGGATTTTTCTTTGTGCAGCTCATAAACTCCAAAAGAGTGCCT
GCTATAGACTATACTAGACACACTTGATGGTGTGCTGCTTCTGAATAGCAATAAA
TATTTTCCAGCAGGGTTAGCATAAAGGAATCATCTGTAGCGAACTAGGATCAGTATGC
CGTAGGATTTACAGAATATTTTCACATGCTTATTTTCATCATCGGCAGATATTTGATGAA
TATGAAAATGAAACATTTTGTGTCATCGGTTTACTAAGTTTGTGATGAAATACAATTTG
ATGTCCAAGGATAACCTGATTGTACCAATTTTAGAAGAGGAAGTACAGAATTCAGTTTCT
GGGGAAAGTGAAGCATGA
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Clone variation with respect to NM_015387.4



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015387 unedited
 ATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCGCTGGCACTATG
 GTCATGGCGGAGGGGACGGCAGTGCTGAGGCGGAACAGGCCGGGCACCAAGGCGCAGGAT
 TTCTATAATTGGCCTGATGAATCCTTTGATGAAATGGACAGTACACTAGCTGTTCAACAG
 TATATTCAACAGAACATAAGAGCAGATTGCTCCAATATTGACAAAATTCTGAACCACT
 GAAGGCCAAGATGAAGGTGTGTGGAAGTATGAACATTTAAGGCAGTTCTGCCTTGAGCTA
 AATGGACTTGCTGTCAAACCTTCAGAGTGAATGCCATCCAGATACTTGCACTCAAATGACA
 GCAACTGAACAATGGATTTTCTTTGTGAGCTCATAAACTCCAAAAGAGTGTCTGCTGCT
 ATAGACTATACTAGACACACACTTGATGGTGTGCTGATGCTTCTGAATAGCAATAAATAT
 TTTCCAGCAGGGTTAGCATAAAGGAATCATCTGTAGCGAAAAGTGGATCAGTATGCCGT
 AGGATTTACAGAATATTTTACATGCTTATTTTATCATCGGCAGATATTTGATGAATAT
 GAAAATGAANACATTTTGTGTCATCGGTTTACTAAGTTTGTGATGAAATACAATTTGAT
 GTCCAAGGATAANCCTGATTGTACCAATTTTGAAGAGGAAGTACAGAATTCAGTTTCTG
 GGGAAAGTGAAGCATGAAGGGAATATAGGAAAAATGACTGATCATATATTAACATTATG
 TACTGTATATATCATTNTAGAACATCAATCATGTATCCTATTATAGCTTNTCTGNTAANN
 ATANGNTTNTGTATGCCTGGGTTTGCCTTTAATGGGAANTACTTTTTAAGTATTCATAG
 CTGATATTCACAGGA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_015387 unedited
 CGCGGCCCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGGAGATGTTTTATGATCAA
 TTCCAAACATACAGTACAGGGGAAGGTGAAATGAGTAAGAAAAAATCATATTTAAGT
 CCCCCTAACACTAAGCCATATTATTCAAATGTGTTTCAAATACTCAGCCAGATCACC
 AAATCTCAGTCACTACCTTAGTATAAATATTCATAAGAAAATAGTCAAGCAACAGAAAT
 CCATTGTGAGACACCATCTAGAGAGAACAGCTACACTGCTATATAAATTTATTAACCTA
 GTAGTTTGTCTCAATATTTAGCAAGTTTAAAAATTACCATTACCATTGGTTTATAGT
 GCCATTAATATAAATCCATAATTTCAAAGTCATCATTCTTTCACTGTGAACTAAGACTT
 CTTAAAAGATAGTTGTGGGTTGGGGAACAGTAATGACTGTAGCTGATGGGCAGTGTTCAA
 AGCCAAAAGACTGGCAAGCTTGGAAAGGCATACACTATACATACACACACTCTCAGTAT
 ACTACTGTTCCCCTTATTTTGTGTCATCTTGTCTGAAAAGATGGTATAAATATTC
 CCTTAAATTTGAAAAACAATTAAGATGAATACATTTTCATCTTCAAATTTATCCTTCTA
 AATAAAAAAGTTCTCATGTTTGTAAATCTGGTCAAAGTTGGATTTAAATACATTTCTT
 CACACATGTACATGTTTTCAACCCTTACTGGCTTATACAATCAGTTTGGCATAAGACCTNC
 AGTGCTTTATCAAAAATGGCATTCAATAGATATAAGAATGTTAATCTGATTTTATTCTTC
 TACCACATGGATATTACCAAGCCAAAAAATGGTACTATTTTCAAACCCTTGGACCTATG
 AATATCAATAATCCCCAGTGCTT

Restriction Sites:

NotI-NotI

ACCN:

NM_015387

Insert Size:

2710 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_015387.2](#), [NP_056202.2](#)

RefSeq Size: 2709 bp

RefSeq ORF: 678 bp

Locus ID: 25843

UniProt ID: [Q9Y3A3](#)

Cytogenetics: 2q33.1

Domains: Mob1_phocain

Gene Summary: This gene was identified based on its similarity with the mouse counterpart. Studies of the mouse counterpart suggest that the expression of this gene may be regulated during oocyte maturation and preimplantation following zygotic gene activation. Alternatively spliced transcript variants encoding distinct isoforms have been observed. Naturally occurring read-through transcription occurs between this locus and the neighboring locus HSPE1.[provided by RefSeq, Feb 2011]

Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.