

Product datasheet for **SC329704**

PREI3 (MOB4) (NM_001204094) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PREI3 (MOB4) (NM_001204094) Human Untagged Clone
Tag:	Tag Free
Symbol:	MOB4
Synonyms:	2C4D; CGI-95; MOB1; MOB3; MOBKL3; PHOCN; PREI3
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC329704 representing NM_001204094. Blue =Insert sequence Red =Cloning site Green =Tag(s)

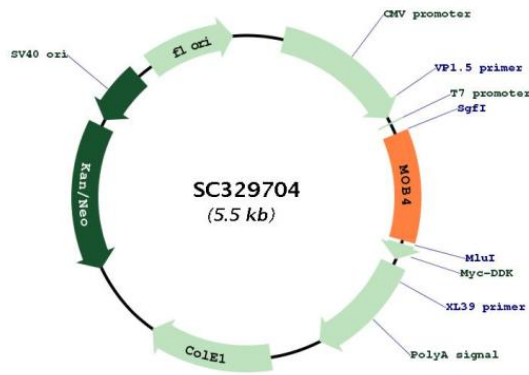
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ATGGACAGTACACTAGCTGTTCAACAGTATATTCAACAGAACATAAGAGCAGATTGCTCCAATATTGAC
AAAATTCTTGAACCACCTGAAGGCCAAGATGAAGGTGTGTGGAAGTATGAACATTTAAGGCAGTTCTGC
CTTGAGCTAAATGGACTTGCTGTCAAACCTCAGAGTGAATGCCATCCAGATACTTGCACTCAAATGACA
GCAACTGAACAATGGATTTTCTTTGTGCAGCTCATAAACTCCAAAAGAGTGCCTGCTATAGACTAT
ACTAGACACACACTTGATGGTGTGCATGTCTTCTGAATAGCAATAAATATTTCCAGCAGGGTTAGC
ATAAAGGAATCATCTGTAGCGAACTAGGATCAGTATGCCGTAGGATTTACAGAATATTTTCACATGCT
TATTTTCATCATCGGCAGATATTTGATGAATATGAAAATGAAACATTTTGTGTCATCGGTTTACTAAG
TTTGTGATGAAATACAATTTGATGTCCAAGGATAACCTGATTGTACCAATTTTAGAAGAGGAAGTACAG
AATTCAGTTTCTGGGAAAGTGAAGCATGA
```

Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM_001204094

Insert Size: 582 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_001204094.1](#)

RefSeq Size: 3742 bp

RefSeq ORF: 582 bp

Locus ID: 25843

UniProt ID: [Q9Y3A3](#)

Cytogenetics: 2q33.1

MW: 22.3 kDa

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 (4) uses an alternate exon at its 5' end compared to variant 1, resulting in a different 5' UTR and translation initiation at a downstream start codon. The resulting isoform (2) has a shorter N-terminus compared to isoform 1. Variants 2 and 4 encode the same isoform (2). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.