

Product datasheet for **MR207860**

Prei4 (BC033408) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Prei4 (BC033408) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Prei4 |
| Synonyms: | 2310004G06Rik, mKIAA1434 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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ORF Nucleotide Sequence:

>MR207860 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATG**TCCAACAGCCTGGAGATATCCTTAATAAGTGACAATGAGTTC**AGTGCAGGCACTCACAGCCAGAAT
 GTGGGTATGGCTTACAGCCCGATCGTTGGACAGAGTACAGCATACAGACAATGGAACCAGATAATCTGGA
 GCTCATCTTTGACTTTTTT**GAGGAAGATCTCAGTGAGCATGTAGTTCAGGGT**GATGTTCTTCTCGACAC
 GTGGGCACAGCATGCCTCTGTCTTCTACCATTGCTGAGAGTGGAAAGAGCGCTGGAATCCTTACTCTTC
 CCATCATGAGCAGAAATCCAGAAAACTATAGGCAAAGT**CAGAGTTGATTTTATCATCATCAAGCCATT**
 ACCTGGATATAGTTGTTCTATGCAGTCTT**CATTTTCCAAGTATTGGAAACCAAGAATACCATTGGACGTT**
 GGACATCGTGGTGCAGGGA**ACTCAACAACGACTGCCAAGCTAGCTAAAGTACAGGAAAATACTATCGCTT**
 CTTTAAGAAATGCTGCCAGT**CATGGCGCAGCATTGTAGAAATTTGATGTCCACCTTCAAAGGACTTTGT**
 GCCCGTGGT**GATCATGACCTCACCTGCTGTGACCATGAAGAGGAAAATGAAGCTGATCCAGTTGAA**
 TTGTTTGAATCCAGTAAAAGAA**TAAACATTTGACCAACTCCAGTTATTGAAGCTTTCTCATGTGACTG**
 CATTAAAAACCAAGACCGGAA**CAATCTTTGTATGAGGAGGAAAATTTCTTTCTGAAAATCAGCCATT**
 TCCTTCTCTTAAGATGGTTTTAGAA**TATTGCCAGAAAATGTAGGATTTAATATAGAAAATAAAATGGATT**
 TGCCAACACAGGGATGGAGTATGGGATGGCA**ACTTATCAACATATTTTGATATGAATGTGTTTTGGATA**
 TAATTTTAAAACTGTTTTAGAAA**TTCTGGGAAGAGGAGAATAGTGTTTCTTCTTTTGATGCAGATAT**
 TTGTACAATGGTTCGGCAGAA**GCAGAACAAATATCCCATATTATTTTGACCCAAGGAAAGTCTGATATT**
 TACCCGA**ACTCATGGACCTCAGATCTCGGACAACACCCATTGCAATGAGTTTTGCACAGTTTAAAAATA**
 TTTTGGGATAAATGCC**CATACTGAAGACCTCCTTAGAAAACCCATCCTATGTCCAAGAGGCAAAAAGCTAA**
 GGGATTGGT**CATATTCTGCTGGGGT**GATGATACCAACGATCCTGAAAACAGAAAGGAA**ACTGAAGGAATTT**
 GGAGTAAATGGTCTAATATATGATAGGATATATGATTGGATGCCTGAACAGC**CAATATATTCCAAGTGG**
 AGCAGTTGGAGCGCTGAAGCAAGAA**TTGCCAGAGCTTAAGAAGTGTGTGCCACTGTTAGCCACTT**
 CATCCCTTCTTCTTTCTGTGGAGCCTGATATCCACGTGGATGCCAACGGCATTGATAGTGGAGAA**C**
 GCT

ACGCGTACGCGGCCGCTCGAGCAGAA**ACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT**
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207860 protein sequence
 Red=Cloning site Green=Tags(s)

MSNSLEISLISDNEFKRHSQPECGYGLQPD**RWTEYSIQTM**EPD**NLELIFDFF**EEDLSEHV**VQGDVLP**GH
 VGTACLLSSTIAESGRSAGILTL**PIMSRNSRKTIGKVRVDFII**IKPLPGYSCSMQ**SFSKYWKPRI**PLDV
 GHRGAGNSTTTAKLAKVQENTIASLRNAASHGAA**FVEFDVHLSKDFVPV**VYHDLTCL**TMKRKYEADP**VE
 LFEIPVKELTFDQLQLLKL**SHVTALKTKDRKQSLYEEENFF**SENQ**PFPSLKMVLESLPEN**VGFNIEIKWI
 CQHRDGVWDG**NLSTYFDMNVFLDIILKTVLE**NSGRR**IVFSSFDADICTMVRQKQNKYPI**FL**TQGKSDI**
 YPELMDLRSR**TPIAM**SFAQFENILGINA**HTEDLLRNPSYVQ**EAKAKGLVIFCWGDD**TNDPENRR**KLKEF
 GV**NGLIYDRIYDWMPEQ**PNIFQVEQLERL**KQELPELKNCLCPTVSHFIPSSFC**VE**PD**I**HVDANGID**SVEN
 A

TRTRPLEQKLISEEDLA**ANDILDYKDDDDKV**

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: BC033408

ORF Size: 1473 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: [BC033408](#), [AAH33408](#)

RefSeq Size: 3174 bp

RefSeq ORF: 1475 bp

Locus ID: 74182

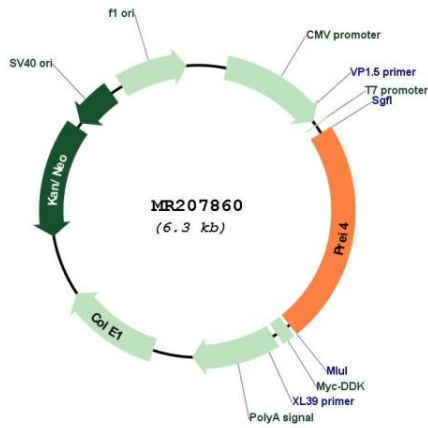
Cytogenetics: 2

MW: 55.9 kDa

Gene Summary:

May be involved in the negative regulation of skeletal muscle differentiation, independently of its glycerophosphocholine phosphodiesterase activity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207860