

Product datasheet for MR229425

Preb (NM_001294302) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Preb (NM_001294302) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Preb
Synonyms: C85705
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR229425 representing NM_001294302
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGTCGGCGCCGGGGTGTGGAGCTGTACCGGGCCCGTTCCCGTTGTACGCGCTTCGGATAGACCCCA
AGACTGGGCTGCTCATCGCTGCGGGCGGAGGAGAGCTGCCAAGACCGGCATAAAGAATGGCGTGCATTT
TCTGCAGCTAGAGCTGATCAACGGGTGCCTGAGCGCTTCCTTGCTGCACTCTCATGACACGGAGACACGG
GCCACCATGAATTTGGCGCTTGCTGGTGACATTCTTGCTGCCGGACAGGATGCCAGTGTCAGCTTCTTC
GTTCCAGGTCCATCAACAGAAGGGCAGTAAAGCGGAGAAGTCAGGTTCCAAGGAGCAGGGACCTCGACA
GAGAAAGGGGGCTCCTCCAGCAGAGAAGAAATCGGGAGCACAAGTTCACCCCGAAGGGGTTGAACTCAA
GTAAGAATTTGGAGGCAGTACAGACAGACTTCAGCAATGAACCGCTGCAGAAAGTTGTGTGCTTCAACC
ATGATAACACCCTGCTTGCCACTGGAGGAAGTATGGTTCATGTTTCGTGTCTGGAAGGTACCTAGCCTGGA
GAAAGTTCTGGAGTTCAAAGCCCATGAAGGGGAGATTGGAGATTTGACTTTGGGTCCTGATGGCAAGCTG
GTTACAGTGGGCTGGGACTTTAAGGCCTCTGTGTGGCAGAAGGATCAACTGGTGACACAGCTACAGTGGC
AAGAGAATGGACCAGCCTCTTCTAATACACCATACCGCTACCAGGCTGCAGGTTTGGCCAGGTTCCAGA
TCAGCTCGGTGGGCTGCGACTTTCACAGTGCAGATACCCACAAGCGCCTACGTACGCCCCACCCTGC
TACCTCACAGCCTGGGACAGTTCACCTTCTTGCTCCTTCGGACCAGATCCTGTGCCATGAGGTCAATT
CCTGCCTCAGTGTGAGTATTCGGGTACCTTCTAGGCCTAGGCACGGTCACTGGCTCTGTCCGATCTA
CATAGCTTTCTCTCCAGGGAGTGTCTGTATGGTCTGCTCCTGCTGTGTGTGCGCCTTATTATTG

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229425 representing NM_001294302
 Red=Cloning site Green=Tags(s)

MGRRRGVELYRAPFPLYALRIDPKTGLLIAAGGGGAAKTGIKNGVHFLQLELINGCLSASLLHSHDTETR
 ATMNLALAGDILAAGQDAQCLLRQVHQKGSKAEKSGSKEQGPRQRKGAPPAEKKSGAQVHPEGVELK
 VKNLEAVQTDFSNEPLQKVVCFNHDNTLLATGGTDGHRVWVKVPSLEKVLFEKAHEGEIGDLTLGPDGKL
 VTVGWDFKASVWQKDQLVTQLWQENGPASSNTPYRYQACRFQVDPDQLGGLRFLTVQIPHKRLRQPPPC
 YLTAWDSSTFLPLRTRSCGHEVISCLSVSDSGTFLGLGTVTGSVAIYIAFSLQGVFLYGFCSCCVSALLL

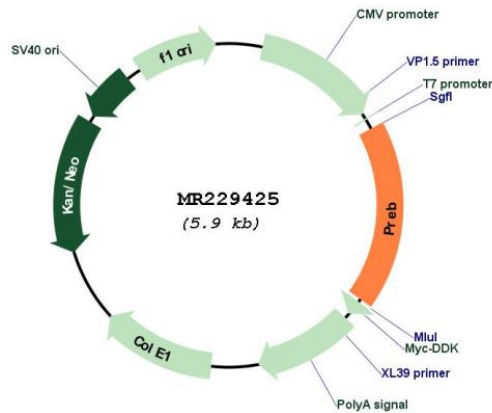
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001294302

ORF Size: 1050 bp

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|-------------------------------|---|
| 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: | <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_001294302.1 , NP_001281231.1 |
| RefSeq Size: | 5311 bp |
| RefSeq ORF: | 1053 bp |
| Locus ID: | 50907 |
| Cytogenetics: | 5 B1 |
| MW: | 38.4 kDa |
| Gene Summary: | Guanine nucleotide exchange factor that specifically activates the small GTPase SAR1B. Mediates the recruitment of SAR1B and other COPII coat components to endoplasmic reticulum membranes and is therefore required for the formation of COPII transport vesicles from the ER.[UniProtKB/Swiss-Prot Function] |