

Product datasheet for MR200682

Pfdn6 (NM_010385) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pfdn6 (NM_010385) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Pfdn6
Synonyms: H-2Ke2; H2-Ke2; Ke-2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR200682 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTGAACTGATCCAAAAGAAGCTGCAGGGAGAGGTAGAGAAATATCAACAGCTGCAGAAGGACTTGA
 GTAATCTATGTCAGGGAGGCAGAAGCTCGAAGCACAGCTAACGGAAAACAATATCGTGAAGGAGGAGCT
 GGCCCTGCTGGATGGATCCAACGTGGTCTTTAAGCTTCTGGGACCCGTGCTTGCAAACAGGAGCTGGG
 GAGGCTCGGGCCACAGTAGGGAAGAGGCTAGACTACATCACAGCAGAAATCAAGCGCTACGAATCACAGC
 TTCGGGACCTCGAGCGGCAGTCAGAGCAACAGAGGGAAACCTTGCCCAACTGCAGCAGGAGTTCAGCG
 GGCCCAAGCTGCAAAGGCTCCTGGGAAAGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200682 protein sequence
 Red=Cloning site Green=Tags(s)

MAELIQKKLQGEVEKYQLQKDLKSMGRQKLEAQLTENNIIVKEELALLDGSNVVFKLLGPVLYKQELG
 EARATVGKRLDYITAEIKRYESQLRDLERQSEQRETALQLQEFQRAQAAKAPGKA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:



ACCN: NM_010385

ORF Size: 384 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_010385.1](#), [NM_010385.2](#), [NP_034515.1](#)

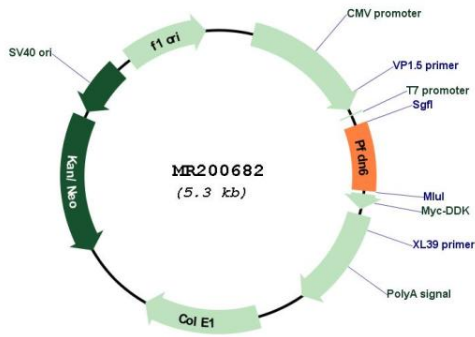
RefSeq Size: 728 bp

RefSeq ORF: 384 bp

Locus ID: 14976

UniProt ID: [Q03958](#)
 Cytogenetics: 17 17.98 cM
 MW: 14.5 kDa
 Gene Summary: Binds specifically to cytosolic chaperonin (c-CPN) and transfers target proteins to it. Binds to nascent polypeptide chain and promotes folding in an environment in which there are many competing pathways for nonnative proteins (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR200682