

# Product datasheet for MR201143

## Pfdn5 (NM\_027044) Mouse Tagged ORF Clone

### **Product data:**

#### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product Type:	Expression Plasmids
Product Name:	Pfdn5 (NM_027044) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pfdn5
Synonyms:	1190001O17Rik; 1700010A06Rik; D15Ertd697e; Eig1; MM-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR201143 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGGCGCAGTCGATTAACATCACGGAGCTGAATCTGCCACAACTGGAAATGCTCAAGAACCAGCTGGACC AGGAAGTGGAGTTTTTGTCCACGTCCATTGCTCAGGTCAAGGTGGTCCAGACCAAGTACGTGGAAGCCAA GGACTGTCTGAACGTGCTGAACAAGAGCAACGAGGGAAAAGAATTACTGGTCCCACTGACGAGTTCTATG TACGTCCCCGGGAAGCTACACGATGTGGAGCATGTGCTTATTGATGTGGGAACCGGCTACTACGTGGAGA AGACAGCTGAGGACGCCAAGGACTTCTTCAAAAGGAAGATAGACTTCCTCACCAAACAGATGGAGAAAAT CCAGCCAGCGCTGCAGGAGAAGCATGCCATGAAGCAGGCTGTCATGGAAATGATGAGCCAGAAGATTCAG CAGCTCACAGCCCTGGGGGCAGCCAGGCCACGGTCAAAGCC
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG <b>GTTTAA</b>
Protein Sequence:	>MR201143 protein sequence Red=Cloning site Green=Tags(s)
	MAQSINITELNLPQLEMLKNQLDQEVEFLSTSIAQLKVVQTKYVEAKDCLNVLNKSNEGKELLVPLTSSM YVPGKLHDVEHVLIDVGTGYYVEKTAEDAKDFFKRKIDFLTKQMEKIQPALQEKHAMKQAVMEMMSQKIQ QLTALGAAQATVKA
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Restriction Sites:	Sgfl-Mlul



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#### **Cloning Scheme:**



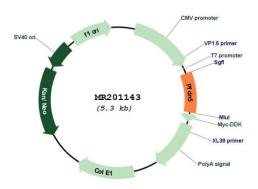
\* The last codon before the Stop codon of the ORF

ACCN:	NM_027044
ORF Size:	465 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. <u>More info</u>
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> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
RefSeq:	<u>NM 027044.3, NP 081320.2</u>
RefSeq Size:	708 bp
RefSeq ORF:	465 bp
Locus ID:	56612
UniProt ID:	<u>Q9WU28</u>

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	Pfdn5 (NM_027044) Mouse Tagged ORF Clone – MR201143
Cytogenetics:	15 57.48 cM
MW:	17.4 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. Represses the transcriptional activity of MYC (By similarity).[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for MR201143

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