

## Product datasheet for **MG201143**

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

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pfdn5 (NM\_027044) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Pfdn5  
**Synonyms:** 1190001O17Rik; 1700010A06Rik; D15Ert697e; Eig1; MM-1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG201143 representing NM\_027044  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGCAGTCGATTAACATCACGGAGCTGAATCTGCCACAACGGAAATGCTCAAGAACCAGCTGGACC  
AGGAAGTGGAGTTTTTGTCCACGTCCATTGCTCAGCTCAAGGTGGTCCAGACCAAGTACGTGGAAGCCAA  
GGACTGTCTGAACGTGCTGAACAAGAGCAACGAGGGAAAAGAATTACTGGTCCACTGACGAGTTCTATG  
TACGTCCCGGGAAGCTACACGATGTGGAGCATGTGCTTATTGATGTGGAAACCGGCTACTACGTGGAGA  
AGACAGCTGAGGACGCCAAGGACTTCTTAAAAGGAAGATAGACTTCTCACCAAACAGATGGAGAAAAT  
CCAGCCAGCGCTGCAGGAGAAGCATGCCATGAAGCAGGCTGTGATGGAATGATGAGCCAGAAGATTGAG  
CAGCTCACAGCCCTGGGGCAGCCAGGCCACGGTCAAAGCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG201143 representing NM\_027044  
Red=Cloning site Green=Tags(s)

MAQSINITELNLPQLEMLKNQLDQVEVFLSTSIQLKVVQTKYVEAKDCLNVLNKSNEGKELLVPLTSSM  
YVPGKLDVEHVLIDVGTGYVVEKTAEDAQDFFRKIDFLTKQMEKIQPALQEKHAMKQAVMEMMSQKIQ  
QLTALGAAQATVKA

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI



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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_027044.3, NP_081320.2</u>
<b>RefSeq Size:</b>	708 bp
<b>RefSeq ORF:</b>	465 bp
<b>Locus ID:</b>	56612
<b>UniProt ID:</b>	<u>Q9WU28</u>
<b>Cytogenetics:</b>	15 57.48 cM
<b>Gene Summary:</b>	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]