

## Product datasheet for RN204736

### Fundc1 (NM\_001025027) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fundc1 (NM\_001025027) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Fundc1  
**Synonyms:** MGC109382  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >RN204736 representing NM\_001025027  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGTCCCGGAACCCCTCCCAAGACTATGAGAGCGATGACGAGTCTTACGAAGTGTGGATTTAA  
 CTGAGTATGCAAGAAGACACCACTGGTGGAAATCGTGTATTTGGCCACAGTTCGGACCTATGGTAGAAAA  
 AACTACTCAGTAGCTACCCAGATAGTAATGGGTGGCGTGACTGGCTGGTGTGCAGGATTTTTATTCCAAAAG  
 GTTGGAAAACCTTGCTGCAACTGCAGTAGGTGGTGGTTTTCTTCTCTACAGGTTGCCAGTCACAGTGGCT  
 ATGTGCAGATCGACTGGAAGAGAGTTGAAAAGATGTAACAAAAGCAAAAAGACAGATTAAGAAGCGAGC  
 AAATAAGGCAGCACCTGAAATCAACAATAAATTGAAGAAGCAACAGACTTTATCAAGCAGAACATTGTG  
 ATATCCAGCGGCTTCGTGGGAGGCTTTTTGCTAGGCCTGGCATCT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI  
**ACCN:** NM\_001025027  
**Insert Size:** 468 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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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><a href="#">NM_001025027.1</a></u> , <u><a href="#">NP_001020198.1</a></u>
<b>RefSeq Size:</b>	1991 bp
<b>RefSeq ORF:</b>	468 bp
<b>Locus ID:</b>	363442
<b>UniProt ID:</b>	<u><a href="#">Q5BJS4</a></u>
<b>Cytogenetics:</b>	Xq11
<b>Gene Summary:</b>	Acts as an activator of hypoxia-induced mitophagy, an important mechanism for mitochondrial quality control.[UniProtKB/Swiss-Prot Function]