

## Product datasheet for **MC208476**

### **Fdx1 (NM\_007996) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fdx1 (NM\_007996) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Fdx1  
**Synonyms:** ADRE  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >MC208476 representing NM\_007996  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGCCGCTCCGGGCGCCGACTCCTGCGCGCGGCCTGCGCCTCCGTCCCTTCCGCGGCCTTGACC  
GCTGTCGGCTGCTGGTCTGCGGGACCGGAGCGGGAAGTCCATCTCTCCGTGGACCCCGAGTCCCGCCT  
GCATGCAGAGGCCGGCCCGCCGCGCTGAGCGTGTCTGCGCGCGCGGAGCAGCTCAGAAGATAAG  
ATAACAGTCCACTCAAGAACCAGATGGCGAGACGCTAACGACCAAGGGGAAAATTGGCGACTCTCTGC  
TAGATGTTGTGATTGAGAACAACCTAGATATCGATGGGTTTGGTGCCTGTGAGGGAACGTTGGCTTGCTC  
TACTTGTGATCTTATCTTTGAGGATCACATCTATGAGAAGTTAGATGCCATTACTGATGAAGAGAATGAC  
ATGCTTGACCTGGCTTTGGACTAACAGACAGGTCAAGGTTGGGCTGCCAAGTTTGTCTGACCAAGGCTA  
TGGACAATATGACTGTGCGTGTGCCTGAAGCAGTGGCGGATGTCCGACAGTCTGTTGACATGAGCAAGAA  
TTCCTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_007996  
**Insert Size:** 567 bp



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<b>OTI Disclaimer:</b>	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).
<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_007996.2</a></u> , <u><a href="#">NP_032022.1</a></u>
<b>RefSeq Size:</b>	1227 bp
<b>RefSeq ORF:</b>	567 bp
<b>Locus ID:</b>	14148
<b>UniProt ID:</b>	<u><a href="#">P46656</a></u>
<b>Cytogenetics:</b>	9 A5.3
<b>Gene Summary:</b>	<p>Ferredoxins are iron-sulfur proteins that facilitate monooxygenase reactions catalyzed by P450 enzymes. The protein encoded by this gene is present in the mitochondrial matrix and transfers electrons from ferredoxin reductase to steroidogenic mitochondrial cytochrome P450 proteins. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2014]</p> <p>Transcript Variant: This variant (1) represents the shorter transcript and encodes the longer isoform (1).</p>