

Product datasheet for **MC226034**

Fdx1 (NM_001301728) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fdx1 (NM_001301728) Mouse Untagged Clone
Tag: Tag Free
Symbol: Fdx1
Synonyms: ADRE
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226034 representing NM_001301728
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGGCCGCTCCGGGCGCCGACTCCTGCGCGCGCCTGCGCCTCCGTCCTTTCCGCGGCCTTGACC
GCTGTCGGCTGCTGGTCTGCGGGACCGAGCGGGAAGTCCATCTCTCCGTGGACCCGAGTCCCGCCT
GCATGCAGAGGCCGGCCCGGCCGCGCCTGAGCGTGTCTGCGCGCGCGGAGCAGCTCAGAAGATAAG
ATAACAGTCCACTTCAAGAACCGAGATGGCGAGACGCTAACGACCAAGGGGAAAATTGGCGACTCTCTGC
TAGATGTTGTGATTGAGAACAACCTAGATATCGATGGGTTTGGTGCCTGTGAGGGAACGTTGGCTTGCTC
TACTTGTTCATCTTATCTTTGAGGATCACATCTATGAGAAGTTAGATGCCATTACTGATGAAGAGAATGAC
ATGCTTGACCTGGCTTTGGACTAACAGACAGGAACCTGGAAGACCCACCTATTTCTTCAGCCCAGCAA
TTGGTCCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001301728
Insert Size: 501 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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OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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 style="list-style-type: none">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_001301728.1 , NP_001288657.1
RefSeq Size:	2827 bp
RefSeq ORF:	501 bp
Locus ID:	14148
UniProt ID:	P46656
Cytogenetics:	9 A5.3
Gene Summary:	<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 (2) contains an alternate exon, which results in a frameshift, compared to variant 1. The resulting protein (isoform 2) has a shorter, distinct C-terminus compared to isoform 1.</p>