

Product datasheet for **MC203925**

Efhd1 (NM_028889) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Efhd1 (NM_028889) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Efhd1
Synonyms:	4931430I01Rik; AI452351; mitocalcin; PP3051
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC019531
 CGCAAAGAGCGCACAACTCTCTGTCCCCGTACCGGATCGCGAACCTCAGTTCATCACCACAACCCGCCA
 TCATGTCCAGCGAGGAGCTGGCCTGCAAGCTGCAGCGCCGGTTGAGACTTGAGGTGCGGGCAGAGACCGA
 CCAGGGCGACCCCGACCTGCACCCTGCGATGCCCCAGCCGGGCACCCGGAGCCTGAACCGCCTGCCCGG
 GCGCCACAGCCAGCGCGGACTCCGAACCTCAAGCTGAGCCGAGGCTGGACATCCACCAGGGTA
 CAGCGCGCCGGCCGCTCTAAGGTCTTCAATCCCTACACCGAGTTCCCGGAGTTCAGCCGCCGCTCCT
 GAAGGATCTGGAGAAGATGTTCAAACCGTATGATGCTGGAAGGGACGGCTTTATCGACCTGATGGAGCTG
 AAATCATGATGGAGAACTGGGGGCCCTCAGACCCACCTGGGCCTGAAGAGCATGATCAAGGAGGTGG
 ATGAGGACTTCGACGGGAAGCTCAGCTTCCGGGAGTTCCTGCTCATTTCACAAGGCTGCTGCTGGTGA
 GCTGCAGGAGGACAGTGGGTTGCTGGCACTGGCCAAGTTTTCCGAGATTGATGTCGCCCTGGAAGGTGTC
 AGAGGTGCCAAGAACTTCTCGAAGCCAAGGCCAGGCCTTGTCATGTTCCAGTAAGTTCGAAGCTGAGT
 TAAAAGCTGAGCAAGAAGAGCGGAAACGGGAGGAGGAGGCCCGGAGGCTCCGCCAGGCAGCCTTCCGGGA
 GCTCAAGGCAGCTTTCAGCGCGTAGTCTGCTGACCTGACCTTTGACCGGGCTGTGCCTACTAACACC
 CTGGAGGTGATGACCAGGATTTTTACATTTTTATCCCTGCAGCCCTCTGCTCAGATGACCTCCCCTTCA
 CGCCCCAGGCCTGTTTTAGTGTCTTGATAACCAGTAACCTGCTTTGCTCCTCCCAGGGTCTGGT
 CCTTCCAACCGTTTTGCCAGCCAGCCTTCCAGCCTTACCCTCTGCTGTTATCTGTAGATTCTGTTTC
 TTCTTGAAACCTTATTTATCCCTGCGGAGTCTATGTCAACTCCTGTTTCATCTACGGTTCCTCAGAGGAC
 ATGTTGCCTGTGCGCCCCGGGTAGTTTTCTTTGTGTTCTTGTATTGTTTCTGGTACAGCTGCTGCT
 GCCTTCTGTATTACCCAGATTCCATTGACTTCTTTTACCCTTCCACGCTAGTGTGATGATGGGA
 TTTGAAGGAGCACTTGTGGATCAATACCAATATCCCTCACCAACCAGGGACTAGTTTGTGCTATCTTT
 GCCTGTCTTTGGCTCTTAACAATGCCTACCCTTGTCCCCCTCGTTCATTTCCAGTCCAGCCATTT
 TCCCACTCCTAAGTCTTTACTGTTAAGAATGAGAGAATCGTCAGAAGTAATATTAGTGTAGAGGAT
 AAGTGTCAACCCGACCCCATTTCAAATCAGAGTGGACCTGTGAACTCTCAAGTGACATCCAAGGCTTTTG
 AAATCATGACCAAAATCCCGTGTCTGACAAACAGTTCAGAGAAGTGAAGAAATGTATTCTCGCCCATGA
 GACAGATTTTTGTATCTTGTGTTTCTTGGGACTTCTCACAAATACCTGGGGAGGGGGTGTGTATTTTT
 TAACAAAACAAAACAAAATTCTTAATGTCATATTTATTTGACTTGTAACTTGTAACTTTTTGTAAC
 TGCTGTCTTTACAATAAAGAAAACATCTGCCCTTCTATCTTAACAGCTGTTTACTTTAAATAAAACATG
 CAAATGATCTTTGCCTTCATAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_028889

Insert Size: 723 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).

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:

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: [BC019531](#), [AAH19531](#)

RefSeq Size: 1854 bp

RefSeq ORF: 723 bp

Locus ID: 98363

UniProt ID: [Q9D4J1](#)

Cytogenetics: 1 C5

Gene Summary: Acts as a calcium sensor for mitochondrial flash (mitoflash) activation, an event characterized by stochastic bursts of superoxide production (By similarity). May play a role in neuronal differentiation (PubMed:16336229).[UniProtKB/Swiss-Prot Function]