

Product datasheet for **SC107316**

EFHA2 (MICU3) (NM_181723) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EFHA2 (MICU3) (NM_181723) Human Untagged Clone
Tag:	Tag Free
Symbol:	EFHA2
Synonyms:	EFHA2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_181723, the custom clone sequence may differ by one or more nucleotides

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ATGGCTGCGCTGCGAAGGCTCTGTGGCCGCCACCCCGGTGTCTCCTCCACTCTGCGCTCACCAGCCCC
TCCTTGGGCCGTGGGGCGGCCCTGCGGTGACCACCTGGGCCCTTCTGGCCGGCCCTTCTCTCCGAGA
GGATGAGGAGAGGGCTGTGGCGGAGGCGCATGGAGGCGGCGGCGCTGGGGGAGCTGAGCGTGGCG
GCGGCGGCCGGGGGGCTGGTCGGCCTGGTATGCTACCAGCTGTACGGGGACCCAGGCCGGCTCGC
CGGCGACCGGGCACCCTCAAAGAGCGCGGCCACGGAGCCGAGGACCCGCCCGCGCCGGGGATGCT
GCCCATCCAGTGGCGGCTGCCAAGGAGACGGTTGCTATTGGCAGAACAGACATTGAAGACTTAGACCTT
TATGCCACATCTCGGAGAGGCGATTTCTGTTTATTTGCTTCTATAGAATGTGAAGGCAGTTATTCATGA
CTCCGTATGATTTTATTTGGCTGTTACAACAGATGAGCCCAAAGTTGCCAAAATTGGAAGTCACTTTC
CAAACAGGAATTAATCAAATGCTCGCAGAAACACCACAGTTTGGAAAGGCTCATCGAAGCTATTTGGA
AATCTTAAAGAAAAGGTGTGATTTCTTACACAGAATATCTTTTCTTTTATGTATTTAAACAAAGCCAC
ATGCGAGGTTTCAAGATAGCTTTCAACATGTTTACACTGATGGCAATGAGATGGTGGATAAAAAAGAGTT
TTTGGTGTCTCAAGAGATATTCAGGAAAAAATGAAAAGAGAGAAATTAAAGGAGATGAAGAAAAGCGT
GCAATGCTGCGTCTTCAACTTTATGGATACCATTCTCCTACTAATAGTGTACTTAAAACAGATGCTGAGG
AACTTGTCTCCAGAAGCTATTGGGATACACTGAGACGTAACACAAGCCAAGCACTGTTTTTTCAGACCTCGC
AGAGCGTGTGATGACATCACAAGTTTGTAGTAACAGATACTACACTTCTTGTACACTTTTTTGGAAAGAAA
GGAAAAGCTGAGCTCAACTTTGAAGATTTTATAGATTCATGGATAATCTCCAAACAGAAGTTCTAGAAA
TAGAATTCCTTCTACTCAAATGGAATGAATACCATCAGTGAAGAAGATTTTGTCTATTTCTTTTACG
ATATACAAATGTGAAAATACATCAGTATTTTGAATAATGTGCGTTACAGTACCTGAAGAAAAGGGC
ATCAGATTTGATGAATTCAGGTCATTTTCCAGTTTTTAAACAACCTAGAAGACTTTGCAATAGCCCTGA
ATATGATAAATTTGCAAGTCGTTCTATAGGGCAAGATGAATTTAAACGTGCCGTCTATGTACTACTGG
ACTCAAATTTTACCACATTTAGTGAACACTGTCTTCAAGATTTTGTGTTGACAAAGATGATCAATTA
AGTTATAAAGAATTTATTTGAAATATGAAAGACAGACTCCATAGAGGATTCGGGGTTATAAAACAGTCC
AGAAGTACCCACTTTCAAATCTGCCTGAAGAAAGAACTTACAGCAGATAA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_181723 unedited

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CCTTCAGCCGCCGTTGNCGTAAATGGGCGGTAGCGTGTACGGTGGGAGGTCTATATAAG
CAGAGCTCGTTTGTGAAACCGTCAGAAATTTTGTAAACGACTCACTATAGGGCGGCCGCG
AATTCGGCACGAGGCCAGCTCTGGTGTGGCGGCCCTCCGCTATGGCTGCGCTGCTTAGG
CTCTTGTGGCCGCCACCCCGGTGTCTCCTCCACTCTGCGCTCACCAGCCCTCCTTGGG
CCGTGGGGCGGCCCTGCGGTGACCACCTGGGCCCTTCTGGCCGGCCCTTCTCTCCCGA
GAGGATGAGGAGAGGGCTGTGGCGGAGGCGGCATGGAGGCGCGCGCGCTGGGGGAG
CTGAGCGTGGCGCGGCCGCGGGGGCTGGTCCGCTGGTATGCTACCAGTGTAC
GGGGACCCAGGCGCGCTCGCCGGCGACCGGGGACCCCAAAGAGCGCGGCCACGGAG
CCCGAGGACCCGCCCGCGCGGNGGATGCTGCCATCCAGTGGCGGCTGCCAAGGAG
ACGGTTGCTATTGGCAGAACAGACATTGAAGACTTAGACCTTTATGCCACATNCTCGGAG
AGGCGATTTCTGTTTATTTGCTTCTATAGAATGTGAAGGGCAGTTATTCATGACTCCGTAT
GATTTTATTTTGGCTGTTACAACAGATGAGCCCAAAGTTGCCAAAATTGGAAGTCACTT
TCCAAAACAGAAATTAATCAAATGCTCGCCAGAACACCACAGTTTGGAAAGGCTCAT
CGAAACTATTTCAAATCTTAAAGAAAAGGTGTGGATTCTTACCCGAAAAACTTTTTTC
CTTTATGAATTTTAAACAAAGCCATGCCGGGTCCAGAATAGCTTTCAAATGTTTTGAC
ACTGATGCAATGAAATGGTGGTAAAAAAAAGTTTTTGTGGCCTTAG
    
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Restriction Sites: NotI-NotI

ACCN: NM_181723

Insert Size: 4000 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:	<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_181723.1 , NP_859074.1
RefSeq Size:	4000 bp
RefSeq ORF:	1593 bp
Locus ID:	286097
UniProt ID:	Q86XE3
Cytogenetics:	8p22
Gene Summary:	May play a role in mitochondrial calcium uptake.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longer isoform (1).