

Product datasheet for **SC105932**

EFHA2 (MICU3) (AL833419) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EFHA2 (MICU3) (AL833419) Human Untagged Clone
Tag:	Tag Free
Symbol:	EFHA2
Synonyms:	EFHA2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for AL833419, the custom clone sequence may differ by one or more nucleotides

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GATTTTTATAGATTCATGGATAATCTCCAACAGAAGTTCTAGAAATAGAATTCCTTTCCTACTCAAATG
GAATGAATACCATCAGTGAAGAAGATTTTGCTCATATTCTTTACGATATACAAATGTGGAAAATACATC
AGTATTTTTAGAAAATGTGCGTTACAGTATACCTGAAGAAAAGGCATCACATTTGATGAATTCAGGTCA
TTTTCCAGTTTTAAACAACCTAGAAGACTTTGCAATAGCCCTGAATATGTATAACTTTGCAAGTCGTT
CTATAGGGCAAGATGAATTTAAACGTGCCGTCTATGTAGCTACTGGACTCAAATTTCCACCACATTTAGT
GAACACTGTCTTCAAGATTTTTGATGTTGACAAAGATGATCAATTAAGTTATAAAGAATTTATTGGAATT
ATGAAAGACAGACTCCATAGAGGATTCGGGGTTATAAAACAGTCCAGAAGTACCCCACTTCAAATCCT
GCCTGAAGAAAAGAACTTCACAGCAGATAAATACTCTAAAACAAAGTTTAAAGGATTACTATCTGTGTGA
CAAATAACAAGAAGCAACATTTGAGAATGGAAGCAGGTCTGAGGTCAGAAGAAGTAGAGAATGAAGGAA
AAGGTGAATGCTATGAAATTGATTTTTCTGGAAGTGAATCTTAAACATAAAACAGATAAAATGCAT
CTTGTTACTACAAATGTTATATGTATAAAATCAAGTTGAGCTTTGCCTTGATTTGCTGAACTCTCTGCAC
TTTTTCATTCCCTTCAGAAGTATATAGATACTTCCGGTGACTACATATGAATGTACTTTCAATATTTT
TTTTATTTATTCATTAGAAATTTTCTCATTTCAAAATAATTTATGACTCATGGAATGTTGATCGCCTAA
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ACATATGTTGTTGACTGTATAAAGTTTTTAAAATGTTGTTATTTGCCAAAGTCAACAGAATGCT
GTTATTTGTTTTATGTATACGGTAAAGAAATTTAAAGTGTAGAATTTTCTCCCCAAAAGTCAATGTGTT
GATAGTAGAAGCAGTGGTAGTTGTTGTAACAGTAATCATTGTCTATTGTCATTATCTTCTTAAACATGAAG
CTGCTCCTGATCATAGGTGGTACACGTTAATAACACTAGTAAAAATAACGCTTACACTCTGTAACCTTAC
TGCATATTGTTAATGTATGTCTAGCATCAATGAGTATTGTAAGAACTAATATAAAATGTTTTATAAGA
CTGATGTATATATTAAGTAGAAGCTAATTTTTGTTTCTTGCAAAGGACCCTTGAAAAGTGTGCTA
AACAGCCAGTAATAATAATTTAAATATAATTTATTTTCAAAGAATATGTCTTAAAAGGGAAAAATAAA
AACTTTCTGTTGAATCACAACAAAATTAGATTTGTACATAGAGAAAATAATTTGATAATACTTAATAGAAA
TCTGTTCAATTAATAATGCTTAGTTTATACAAAGATACTACACAAAAATAGAACAATTAGCTGAATTA
CGTATTTACATATTGCATATGGAAGATAAGTTCATTTATCTTCTTTCTAAGACATATTTAATGTAGGTT
ACATACACTCCAATTAATTTGCTTTTGCATATGAAACTAGAAAACACTGACTTTGTTTTTATAAGTT
ATTAATGTGAAATTGATCTGCATCAGCTTATTTATAAAGTAATGTTATTTCCAAGAAAATGTTACTCT
TAGCATTGATTTGTATGTTAGACTTTTTACATGTTTATCTAATATTATTTATGACAGTAATTTAAAA
TATATTATTCATAAGTTCAGGATCCCATATAGTATAAGAATATAATTTCACTTGCTTTGAAAGTTGATT
TAATTGACTGACTAAATGAAAATGCCTACCCACTCATATAACATACCTCAGGTCTATTTACCTTCACT
GAATGTTCTTAATATGATTTGGTACCTAAAGTAATTGAAAAAATGCAGTTTCTTTAATCCTTGACTAT
AAGTTACTATGTTGCGTACATGGCAATCCTGCAAAATAGATTAAAAATTAATAGCCATTGAAA
TCCTTTATAATTTCTGCTATTTCCCAAGGAAGAATAGCATTGTACATATGCAATCTTTATTTTATCTTT
ATTGCTTATCAGAGTGAGTGGATGAAAACATTTGTAAGGCTGCAACATAATATAAATGTGAATAATA
AATGTTCTGATAAAAATAGAAAAGAAAGTAAATTACAGTGATTTCCATCATATTATCACTCTTGAATTTTA
TCATCTATAAAATGAGAGATAAAAATATCTCACTGAATTGTTACTTATATCAATTTAAAATTTGCTAGTG
GTTTAAAATAATAATGACTGACTACATGTATGCTGTTATTGTCAGTGTTTCTTCTATAAACTGTTCT
TTGAAAATAATAAGTTATACATAAAATTCATATAAACTTTTTACAGAAAGCATACATGATAAACAGTTT
ATGGTACTTCTCAGAATCATTTTATAAAGCAATTTATTTAGCTTAAGTTCCACTTACTGTTCTTATT
ATAAATGCAAAGCAACCTGTCTTACATTCTTACATTATCTTAAAATAAATTTTCTGCCCTTGAAAAA
AAAAAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for AL833419 unedited AATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGGAGACGTAACACAAGCCA AGCACTGTTTTAGACCTCGCAGAGCGTGCTGATGACATCACAAGTTTAGTAACAGATAC TACTTCTTGTACACTTTTTGGAAAGAAAGGAAAAGCTGAGCTCAACTTTGAAGATTT TTATAGATTATCATGGATAATCTCCAAACAGAAGTTCTAGAAATAGAATTCCTTCTACTC AAATGGAATGAATACCATCAGTGAAGAAGATTTGCTCATATTTTACGATATACAAA TGTGAAAATACATCAGTATTTTTAGAAAATGTGCGTTACAGTATACCTGAAGAAAAGGG CATCACATTTGATGAATTCAGGTCATTTTTCCAGTTTTTAAACAACCTAGAAGACTTTGC AATAGCCCTGAATATGTATAACTTTGCAAGTCGTTCTATAGGGCAAGATGAATTTAAACG TGCCGTCTATGTAGTACTGGACTCAAATTTTACCACATTTAGTGAACACTGTCTTCAA GATTTTTGATGTTGACAAAGATGATCAATTAAGTTATAAAGAATTTATTGGAATTATGAA AGACAGACTCCATAGAGGATTCGGNGTTATAAAACAGTCCAGAAGTACCCCACTTTCAA ATCCTGCCTGAAGAAAGAACTTCACAGCAGATAAATACTTCTAANACAAAGTTTAAAGGG ATACTATCTGTGTGACAAATAACAGAAAGCACATTTGAGAATGGAGCAGGTCTGAGGTCN NAAGAGTACAGATGAGGANAGGTGATGCTATGAAATGATTTTTTCTGGACTGATTCTA ANCATAAACGATAAATGCATCTTNTACTACAATGTTATTGTATAAACAAGTGAGCTTTGC TTGATNGCTGACTTTTGACTTTCCTTCTCAAAGATATAAACTTCGGGACTACTTGAAT
Restriction Sites:	NotI-NotI
ACCN:	AL833419
Insert Size:	3500 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:	AL833419.1
RefSeq Size:	2889 bp
RefSeq ORF:	2889 bp
Locus ID:	286097
Cytogenetics:	8p22
Domains:	EFh
Gene Summary:	May play a role in mitochondrial calcium uptake.[UniProtKB/Swiss-Prot Function]