

## Product datasheet for SC207641

### EFHA1 (MICU2) (NM\_152726) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	EFHA1 (MICU2) (NM_152726) Human 3' UTR Clone
Symbol:	EFHA1
Synonyms:	1110008L20Rik; EFHA1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_152726
Insert Size:	588 bp
Insert Sequence:	>SC207641 3'UTR clone of NM_152726 The sequence shown below is from the reference sequence of NM_152726. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TGGAAACAAGCTGGAAAAGGTCTTTTTAATAAAAGATATAATAGTATGGCAATTATATTGTTCCAAAT
GTCAAAATTTGTGATTTTTTGAAGTACTTGCTATTTATCTTCTTAAGTCTTCATTGATATTCTGTGTG
AAATAAGCATGTCTTGTACTTGCTTTCTGATTCATAATTTTATTAAGAAGCTTAGTAGAAAAGAAAAGTA
AGTATAAAAATAGATATTGGATTCTGTGAGAAGGCCTAGATTTGAAATAATGTTTTGTACTTCGGTAAG
ATGGAAAAGCTTAGTACTGATTTCTTAGACTCTAATATGATATGCTTTCTGGAAGGATAAAAC
AAATACATATGGGAAAAAGTACTTGAGACCAAGGCCAGCATCAATTCCAGACATCTTCATGTTCCCTAAT
AGGCTAAATGAAGTTAAAAAAGTATTTTCTCATCTGTACCTTATATCTCATAAAATTTATTG
CATTTTTATGTCAGTAGCTTAGCTGTTTATTGTCTTTAAATAACATGTAAACTCAATGTTCTATCT
GGAAGCAGAATAAAATATTTACATAGATACAAAAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites:	Sgfl-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).



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<b>Components:</b>	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
<b>RefSeq:</b>	<a href="#">NM_152726.3</a>
<b>Summary:</b>	Key regulator of mitochondrial calcium uniporter (MCU) required to limit calcium uptake by MCU when cytoplasmic calcium is low (PubMed:24503055, PubMed:24560927, PubMed:26903221). MICU1 and MICU2 form a disulfide-linked heterodimer that stimulate and inhibit MCU activity, depending on the concentration of calcium (PubMed:24560927). MICU2 acts as a gatekeeper of MCU that senses calcium level via its EF-hand domains: prevents channel opening at resting calcium, avoiding energy dissipation and cell-death triggering (PubMed:24560927).[UniProtKB/Swiss-Prot Function]
<b>Locus ID:</b>	221154
<b>MW:</b>	22.9