

Product datasheet for **SC319539**

EFHC1 (NM_018100) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EFHC1 (NM_018100) Human Untagged Clone
Tag:	Tag Free
Symbol:	EFHC1
Synonyms:	dj304B14.2; EJM1; POC9; RIB72
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_018100.1
 GATCCTGGAGGTGCCCGAACACTGCTTGTGCGCTGGGCAACCGGAGAGGACGAAGCAG
 GACCTAGGTGGCGGGCGGTGACCGGCTGCAATGGTGTCCAATCCCGTGCATGGCTTGCC
 CTTTCTCCGGGCACGTCCTTTAAGGACTCTACGAAAACAGCCTTCCACAGAAGTCAGAC
 GCTGAGCTACAGGAACGGCTATGCAATTGTTGACGTCCAACAGTTGGGATAGGCGGAGA
 CCGGCTCCAGTTCAACCAGCTGTCCAGGCTGAGCTGGATGAGTTGGCCAGTAAGGCACC
 AGTCTTAACTTATGGCCAACTAAACAAGCCCCACCTGCGGATTTTATTCTGCGCATGT
 GGCTTTTGACAAAAGGTACTGAAATTTGATGCCTATTTCCAAGAAGATGTTCTATGTC
 AACTGAGGAACAGTATAGGATCCGTCAGGTGAACATTTACTATTATCTAGAAGATGACAG
 CATGTCTGTCATAGAGCCTGTTGTAGAAAATTCTGGAATCCTTCAAGGCAAGTTAATAAA
 ACGCCAGCGGCTAGCCAAGAATGACCGGGTGACCATTACCATTGGAAAGACCTAAATCG
 AGGAATAAACATCACAATTTATGGCAAACTTTCCGCGTTGTTGACTGTGACCAATTCAC
 ACAGGTATTTTTAGAAAGCCAAGGAATTGAGTTAAATCCACCAGAGAAGATGGCTCTTGA
 TCCTTACTACTGAACTCCGAAAACAGCCTTTCGTAAGTATGTCACCCCATCAGACTTTGA
 TCAACTCAAGCAATTTCTCACCTTTGACAAAACAGGTCCTTCGATTCTATGCAATCTGGGA
 TGATACAGACAGCATGTATGGTGAATGTCGGACCTACATCATTACTATCTTATGGA
 TGATACGGTGGAAATTCGAGAGGTCCACGAACGGAATGATGGGATAGATCCTTTCCCACT
 CCTAATGAACCGCAGCGTGTGCCAAAGTTTTGGTGGAAAATGCAAAGAACTTCCCTCA
 GTGTGTGCTAGAAATCTCTGACCAAGAAGTGTGGAAATGGTATACTGCTAAAGACTTCAT
 TGTGGGAAGTCACTCACTATCCTTGGGAGAACTTTCTTCATTTATGATTGTGATCCATT
 TACTCGACGGTATTACAAAGAGAAGTTTGAATCACTGATTTACCACGTATTGATGTGAG
 CAAGCGGAACCCCTCCAGTAAAACAGGAGTTGCCTCCTATAACGGTTTTGGACTAGT
 GGAAGATTCTGCTCAGAATTGTTTTGCTCTCATTCCAAAAGCTCCAAAAAAGACGTTAT
 TAAAATGCTGGTGAATGATAACAAGGTGCTTCGTTATTTGGCTGTACTGGAATCCCCAT
 CCCAGAAGACAAAAGACCGCAGATTTGTCTTCTTACTTTCTAGCTACCGACATGATCAG
 TATCTTTGAGCCTCCTGTTGCAATTTCTGGTATCATTGGGGGCAAGTACCTTGGCAGGAC
 TAAAGTTGTTAAACCATACTCTACAGTGGACAACCCTGTCTACTATGGCCCCAGTGACTT
 CTTCAATGGTGTGATTGAAGTGTGGTACCAGGTTTCATCCTTGATACAGACGA
 GTATGTTTTGAAATACATGGAGAGCAACGCTGCCAGTATTCACCAGAAGCACTCGCGTC
 AATTCCAGAACCATGTCCGAAAGCGAGAAGCGCCTGCTCCAGAAGCAGAAAGCAAGCAAC
 TGAAGGATCCAGGCGTGCAGGAATTGGAAGCATTAAATAGACACAATTCAGAAGCAACT
 GAAAGTCACTCATGCAAGACAACATTCGTGAGGCATTTCAAATTTATGACAAGGAAGC
 TTCAGGATATGTGGACAGAGACATGTTCTTTAAAATCTGTGAATCGCTAACGTCCCAGT
 GGATGACTCCTTGGTTAAGGAGTTACTCAGGATGTGCTCTCATGGAGAAGGCAAAATTA
 CTAATAAATTTGTTTCGTGCTTTCTCAAAGTACCTGCTGATGAGAAAAATGCAAGACAA
 TTTTTGATACTGGAATATGCTTTGAAATACACCTTACACTCTTCATAGAGGCAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_018100

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_018100.1</u> , <u>NP_060570.1</u>
RefSeq Size:	2103 bp
RefSeq ORF:	1923 bp
Locus ID:	114327
UniProt ID:	<u>Q5JVL4</u>
Cytogenetics:	6p12.2
Domains:	EFh, DM10
Gene Summary:	<p>This gene encodes an EF-hand-containing calcium binding protein. The encoded protein likely plays a role in calcium homeostasis. Mutations in this gene have been associated with susceptibility to juvenile myoclonic epilepsy and juvenile absence epilepsy. Alternatively spliced transcript variants have been described. [provided by RefSeq, Feb 2010]</p> <p>Transcript Variant: This variant (A) encodes the longer isoform (1).</p>