

Product datasheet for **SC110236**

EFHC2 (NM_025184) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EFHC2 (NM_025184) Human Untagged Clone
Tag:	Tag Free
Symbol:	EFHC2
Synonyms:	dj1158H2.1; MRX74
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC110236 sequence for NM_025184 edited (data generated by NextGen Sequencing)

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ATGGCCCTGCCTCTGCTGCCGGGCAACAGCTTCAACCGCAACGTGGGAAAGGAGAAGTTT
CACAAATCCCAACATTGGGGCTTTTGAACAATGTTATGATGTTGGTGAGTGATGAAAAG
CCTGGAATAGGTGGAGAACCCTTCTGGGGCAAAGATAAAGCCTAAATGTAGCATATAT
CCTAAAGGAGATGGAAGTGATGTACCATCATGGGTAGCCTTTGATAAACAGGTATTATCT
TTTGATGCCTATTTGGAAGAGGAAGTACTTGATAAAAAGCCAAACCAACTACAGAATAAGA
TACTATAAAAATCTACTTCTACCCTGAAGATGACACAATTCAAGTAAATGAACCAGAGGTG
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CCTGATGAGGATCAGTTTATACTGTGTATCATTTTAATGTGGCACAGAGGTTGTCTTC
TATGGCCGGACATTCAAGATTTATGACTGTGATGCATTACAAGAACTTTTTGAGGAAA
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AGGAGTAAAGTACCCAAGAATTGCCACCTAGAGTCTATCAACCAGGCCAGATAACAGAT
CGAGCAGTTCTCAATTCATATGGTGACTTTATAAAGAACCAAGCGGATGGCTACCTGTTT
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AGGCTGTGCAAACTCCAGATTACCTTTGAGTGATGATCTTCTAGAATCCTTATTGTCA
AGGTTTGAAGACAGTGA AAAACAATAGATTATAAGTCATTTTTCTGCCCCTGAACTGG
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GTTTGGCTTGGTATGCCATCACCTATTCCTGCGAAATACATTGACTACTGGACCTTTTTG
AAGGACGCTTTGGCTTAGAGGAGGAATAA

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Clone variation with respect to NM_025184.3

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_025184 unedited</p> <pre> NGGTACAAAATATGNATACGACTCATATAGGGCGGCCGCGATTTCGGCACGAGGACGGCCG GGAGGGCGGCCGCTGCCTGCCGGGCCCTCTCTTCTGGGACCCTGGATTTTCGGACACTGAG CGCCATGGCCCTGCCTCTGCTGCCGGGCAACAGCTTCAACCGCAACGTGGGAAAGGAGAA GTTTCACAAAATCCCAACATTGGGGCTTTTGCAACAATGTTATGATGTTGGTGAGTGATGA AAAGCCTGGAATAGGTGGAGAACCACCTTCTGGGGCAAAAAGATAAAGCCTAAATGTAGCAT ATATCCTAAAGGAGATGGAAGTGATGTACCATCATGGGTAGCCTTTGATAAACAGGTATT ATCTTTTGATGCCTATTTGGAAGAGGAAGTACTTGATAAAAAGCCAAACCAACTACAGAAT AAGATACTATAAAATCTACTTCTACCCTGAAGATGACACAATTCAGTAAATGAACCAGA GGTGAAAAATAGTGGATTACTTCAAGGGACTTCTATCCGGCGTCATCGGATTACTCTTCC GCCTCCTGATGAGGATCAGTTTTATACTGTGTATCATTTAATGTCGGCACAGAGTTGT CTTCTATGGCCGGACATTCAGATTTATGACTGTGATGCATTACAAGAAACTTTTTGAG GAAAATAGGGGTCANAGTGAATCCCCAGTGAATGTCCAGAAGATCCTTACATGAAGAT TCGGAGAGAGGTTGTAGAACACGTAGAGCCCTTACGTCCCTACGAAATCCTCGACACCCT GTAACAGTTCTCCAGTATCATGGCAAGAATTTGTGTTTCTTCTGCCTGTGGGATGACTC AGTCTCAATGTCTGGAGACCGTAGAGACTCATCCTGCATACTTCTGNGTGAGATACTAT TGAATCCAAGAATGTTTCACACTC </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_025184 unedited</p> <pre> GGACCGCGGCCGCTTCTAAATCGAGTTTTTTTTGTTTTTTTTTGTGTTTTAATGAAATTAT ATCTACTAAAGTAAATGTGGCAAAATGAGAGAAGTAAATCATAGAGAATTGACCAAAACT GGCATGGTTATTCTCCTCTAAGCCAAACGCGTCTTCAAAAAGTCCAGTAGTCAATGT ATTTTCGAGGAATAGGTGATGGCATAACCAAGCCAAACATCTTCACATCTCTTTAAGGT ATGATGCTGGTTGCAATTCAGCACTGGATTCTTCTCCAGTTCAGGGCAGAGAAAAATG ACTTATAATCTATTTGTTTTCACTGTCTTCAAACCTTGACAATAAGGATTCTAGAAGAT CATCACTCAAAGGTAATCTGGAGGATTTGCACAGCCTTTAATGTCTTTGGTGGGTAATA CATTTTTTTTTTCTCGATCTTCATACACACAGGAATAAATGAAAGTGTGCAAAATCTCAA ACATATTTTTCTGAACTTTTCGTGGGCCAGTGCATTAAGATATCCATATCTGAACATG TGCCCTCATGCACACGGTAGTGACGTGCAATGGTTACAAAATCTTGCTCTGCAAGTTTCC ACCAGCAAAGACTCAATATGCCTCTAATGTATTATAACCCACTATTTGCGTGCTAACAT CAGCAACTTTAAATACCTGGCTGAACACTCTGGATTTCCCTCTTTTGGCTCAACTTTTA GCAGGCAAACCTCTGAGCTTCTGATAGGGACCAATCCGCTCCTCGGCACTTCGTCCTCAGG TTCCCCCCCGCCTTGCTACGTGCTATTATGTGCGCTTAACTTTCCCTCGGCCACCATTAT TGAATTATTCCACACGACTTTACTTACCACCCCTTTCACCATTACTTCTCCTCGTCT CCACCACACTGTATTAGATACACGACTCATAATCTTCTCTATTCCCTTACGATCGACACA CATAGGCGACGCCATCGGTTCTCCCTAATCAACAATGAAATAATCAG </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_025184
Insert Size:	2440 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: [NM_025184.2](#), [NP_079460.2](#)

RefSeq Size: 2511 bp

RefSeq ORF: 2250 bp

Locus ID: 80258

UniProt ID: [Q5JST6](#)

Cytogenetics: Xp11.3

Domains: EFh, DM10

Gene Summary: This gene encodes a protein which contains three DM10 domains and three calcium-binding EF-hand motifs. A related protein is encoded by a gene on chromosome 6. It has been suggested that both proteins are involved in the development of epilepsy (PMID: 15258581, 16112844) and that this gene may be associated with fear recognition in individuals with Turner syndrome. [provided by RefSeq, Aug 2011]