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Product datasheet for MC220098

Efhc1 (NM_027974) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Efhc1 (NM_027974) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Efhc1
Synonyms:	1700029F22Rik; mRib72-1; myoclonin1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

Fully Sequenced ORF:

>MC220098 representing NM_027974
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGGACCAACCCGGTGCACGGCCTGCCCTTTCTCCCGGGCTCGTCCTTTACAGACTCCACGAAAACAG
CATTCCACCGAAGCCAGACACTCAACTACAGGAACGGCTATGCAGTTGTCCGACGTCCCACCATGGGGAT
AGGTGGAGACCGGCTCCACTACAACCAGCTGTCTCAGGCCGAGCTGGATGAACTGGCCAATAAGGCACCC
ATCTTAACTTACGGGCCACTCAAGCAAGCCCCACTTGCAGAGTTTGTTCCTGCGCATGTGGCTTTTGACA
AAAAGGTGCTGAAATTTAGTGCCTACTTCCAAGAAGATGTTCCCATATCAATGGAGGAGCATTACCGAAT
CCGCCACGTGAACATTTACTACTACCTAGAAGATGACAGCATGTCTGTCATCGAGCCCGTAGTGGAGAAC
TCTGGGATCCCACAAGGCAAGCTAATCAAACGCCAGCGGTTCACCAAGAATGATATGGGAGACCACTACC
ACTGGAAGGACCTCAACCGTGGAATCAACCTTACAGTGTACGGCAAAACCTTCCGAATTGTTGACTGTGA
CCGATTCACTCAGGACTTTTTGGAAAGCCAAGGCATTGAATTAAATCCATCAGAGAAGATACCCCTGGAT
CCTTACACTCAACTCCGGAAAGAACCTGTGCGCAAATATGTCACCCCGTCAGACTTTGACCAACTGAAAC
AGTTTCTCACCTTTGACAAACAGGTCCTTCGATTCTATGCCATCTGGGACGACACGGATAGCTTGTTCGG
GGAATGTCGTCACTACATCATTCATTACTACCTCATGGATGACACCGTGGAGATCAGAGAGGTCCACGAA
CGGAACAACGGGAGAGACCCCTTCCCACTCCTCATGAACCGACAGCGTATGCCCAAAGTTTTGGTGGAGA
ATGCAAAGAATTTCCCGAAGTGTGTGCTGGAAATCTCAGACCAAGAGGTGCTGGAGTGGTACACTGCCAA
GGACTTCATTGTGGGGAAGCCGCTCACCATCCTGGGGAGGACCTTCTTCATCTACGACTGTGACCCATTC
ACACGACAGTTCTACAAAGACAAGTTTGGAATGCCTGACTTACCACCAGTTGATGTGACCAAGAAGGAGC
CACCTCCAGTAAAACAGGAGTTGCCTCCTTATAATGGCTATGGACTAATTGAAGACTCTGCTCAGAATTG
TTTTGCTCTCATTCCTAAAGCTCCCAGAAAAGATGTCGTTAAAATGCTGATGAATGACAATAAGGTGCTC
CGCTACCTGGCGGCCCTGGAATCCCCTATCCCAGAAGACAAAGACCGTCGGTTTGTCTTCTCTTATTTTC
TTGCCACGGATATGATCAGTATCTTTGAGCCACCTGTTCGAAATTCTGGGATCATCGGGGGCAAATTCCT
GGGCAGGACTAAAGTTGTTAAATCATTCTCTCCAGTTGACAACCCCATCTACTACTCACCAAGTGACTTC
TTCATCGGTGCCGTGATTGAGGTGTTCGGCCATCGGTTCGTCATCCTCGATACAGATGAGTATGTTTTAA
AATACATGGAGAGCAACGCTTCCCAGTATTCACCAGAAGCCCTGGCCTCAATTCAGAACCGGATCCAGAA
GCCGGAGCTTCCCGCACCAGAACTGGAAAGCAAGCAAGCTACAGGAGAACCCATGGTGCAGGGTACAGAG
GAATCCAAGGTGCAGGACTTGGATGCACTGATAGACCAAATCCATATGCACCTGAAATACAATTCATGCA
AAGAAAACCTCCGTGAAACATTTCAAATGTATGACAAGGATGAATCGGGATATGTGGACAGAGAGACGTT
CTTTAAAATCTGTGAAACTCTTAATGTCCCGGTCGATGACTCGTTGATTAAGGAGTTGATCAGGCTGTGC
ACCCACGGAGAAGGCAGGATTAACTACTATAACTTTGTTCGAGCTTTCTCGAACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3036_d06.zip

Restriction Sites: SgfI-MluI

ACCN: NM_027974

Insert Size: 1947 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_027974.1, NP_082250.1
RefSeq Size:	2208 bp
RefSeq ORF:	1947 bp
Locus ID:	71877
UniProt ID:	Q9D9T8
Cytogenetics:	1 A4
Gene Summary:	Microtubule-associated protein which regulates cell division and neuronal migration during cortical development. Necessary for mitotic spindle organization. Necessary for radial and tangential cell migration during brain development, possibly acting as a regulator of cell morphology and process formation during migration (By similarity). May enhance calcium influx through CACNA1E and stimulate programmed cell death. Overexpression of EFHC1 in hippocampal primary culture neurons induced apoptosis.[UniProtKB/Swiss-Prot Function]