

# Recombinant Human EFHC1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** EFHC1-1731H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | EFHC1 MS Standard C13 and N15-labeled recombinant protein (NP_060570) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | 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.                                                                                                                                                                                                                                         |
| <b>Molecular Mass</b>   | 73.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | MVSNPVHGLPFLPGTSFKDSTKTAFHRSQTLSTYRNGYAIVRRPTVGIGGDRLQFNQL<br>SQAELDELASKAPVLTYGQPKQAPPADFIPAHVAFDKKVLKFDAYFQEDVPMSTEEQ<br>YRIRQVNIYYYLEDDSMSVIEPVVENSILQGLIKRQRLAKNDRGDHYHWKDLNRGI<br>NITIYGKTRFVDCDQFTQVFLESQGIENPPEKMALDPYTELRKQPLRKYVTPSDFD<br>QLKQFLTFDKQVLRFYAIWDDTDSMYGECRTYIIHYYLMDDTVEIREVHERNDGIDPF<br>PLLMNRQRVPKVLVENAKNFPQCVLEISDQEVLEWYTAKDFIVGKSLTILGRFTFFIYD<br>CDPFTRRYKKEKFGITDLPRIDVSKREPPPVKQELPPYNGFGLVEDSAQNCFALIPKA<br>PKKDVIMLVNDNKVLRYLAVLESPIPEDKDRRFVFSYFLATDMISIFPPVRNSGIIG<br>GKYLGRTKVVKPYSTVDNPVYYGPSDFFIGAVIEVFGHRFIILDTDEYVLKYMESNAA |

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QYSPEALASIQNHVRKREAPAPEAESKQTEKDPGVQELEALIDTIQKQLKDHSCKDNI  
REAFQIYDKEASGYVDRDMFFKICESLNVPVDDSLVKELLRMC SHGEGKINYNFVR  
AFSNTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** EFHC1 EF-hand domain containing 1 [ Homo sapiens (human) ]

**Official Symbol** EFHC1

**Synonyms** EFHC1; EF-hand domain (C-terminal) containing 1; EF-hand domain-containing protein 1; myoclonin-1; dJ304B14.2; FLJ10466; FLJ37290;

**Gene ID** 114327

**mRNA Refseq** NM\_018100

**Protein Refseq** NP\_060570

**MIM** 608815

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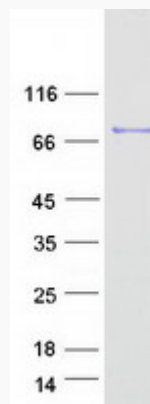
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UniProt ID

Q5JVL4

SDS-PAGE

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