

# Recombinant Human EFHC1, GST-tagged

**Cat. No.** EFHC1-12307H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                               |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human EFHC1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>    | C-term-350a.a.                                                                                                                                                                                                                                                                                                                |
| <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>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                                                                                                                                                                                     |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol.                                                                                                                                                             |

## GENE INFORMATION

|                        |                                                                 |
|------------------------|-----------------------------------------------------------------|
| <b>Gene Name</b>       | EFHC1 EF-hand domain (C-terminal) containing 1 [ Homo sapiens ] |
| <b>Official Symbol</b> | EFHC1                                                           |

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|                            |                                                                                                                                    |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b>            | EFHC1; EF-hand domain (C-terminal) containing 1; EF-hand domain-containing protein 1; myoclonin-1; dJ304B14.2; FLJ10466; FLJ37290; |
| <b>Gene ID</b>             | <a href="#">114327</a>                                                                                                             |
| <b>mRNA Refseq</b>         | <a href="#">NM_001172420</a>                                                                                                       |
| <b>Protein Refseq</b>      | <a href="#">NP_001165891</a>                                                                                                       |
| <b>MIM</b>                 | <a href="#">608815</a>                                                                                                             |
| <b>UniProt ID</b>          | <a href="#">Q5JVL4</a>                                                                                                             |
| <b>Chromosome Location</b> | 6p12.3                                                                                                                             |
| <b>Function</b>            | calcium ion binding; protein C-terminus binding;                                                                                   |

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