

## Recombinant Human FHL1, MYC/DDK-tagged

**Cat. No.** FHL1-128H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| <b>Product Overview</b> | Recombinant Human FHL1, fused with C-terminal MYC/DDK, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | This gene encodes a member of the four-and-a-half-LIM-only protein family. Family members contain two highly conserved, tandemly arranged, zinc finger domains with four highly conserved cysteines binding a zinc atom in each zinc finger. Expression of these family members occurs in a cell- and tissue-specific mode and these proteins are involved in many cellular processes. Mutations in this gene have been found in patients with Emery-Dreifuss muscular dystrophy. Multiple alternately spliced transcript variants which encode different protein isoforms have been described. |
| <b>Molecular Mass</b>   | 31.7 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Storage Buffer</b>   | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

### GENE INFORMATION

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | FHL1 four and a half LIM domains 1 [ Homo sapiens (human) ]                                                                                                                                                                                             |
| <b>Official Symbol</b>     | FHL1                                                                                                                                                                                                                                                    |
| <b>Synonyms</b>            | FHL1; four and a half LIM domains 1; KYOT; SLIM; FHL-1; FHL1A; FHL1B; FLH1A; SLIM1; XMPMA; SLIM-1; SLIMMER; four and a half LIM domains protein 1; LIM protein SLIMMER; four-and-a-half Lin11, Isl-1 and Mec-3 domains 1; skeletal muscle LIM-protein 1 |
| <b>Gene ID</b>             | 2273                                                                                                                                                                                                                                                    |
| <b>mRNA Refseq</b>         | NM_001449                                                                                                                                                                                                                                               |
| <b>Protein Refseq</b>      | NP_001440                                                                                                                                                                                                                                               |
| <b>MIM</b>                 | 300163                                                                                                                                                                                                                                                  |
| <b>UniProt ID</b>          | Q13642                                                                                                                                                                                                                                                  |
| <b>Chromosome Location</b> | Xq26                                                                                                                                                                                                                                                    |
| <b>Pathway</b>             | Delta-Notch Signaling Pathway                                                                                                                                                                                                                           |
| <b>Function</b>            | ion channel binding; molecular_function; protein binding; zinc ion binding                                                                                                                                                                              |