

## Recombinant Human FHL1, GST-tagged

Cat. No. FHL1-12888H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| <b>Product Overview</b> | Recombinant Human FHL1 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>    | 1-280a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <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>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

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|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | FHL1 four and a half LIM domains 1 [ Homo sapiens ]                                                                                                                                                                                                                                                                                                 |
| <b>Official Symbol</b>     | FHL1                                                                                                                                                                                                                                                                                                                                                |
| <b>Synonyms</b>            | FHL1; four and a half LIM domains 1; four and a half LIM domains protein 1; bA535K18.1; FHL1B; FLH1A; Four and a half LIM domains 1; KYO T; LIM protein SLIMMER; MGC111107; SLIM1; XMPMA; skeletal muscle LIM-protein1; skeletal muscle LIM-protein 1; four-and-a-half Lin11, Isl-1 and Mec-3 domains 1; KYOT; SLIM; FHL-1; FHL1A; SLIM-1; SLIMMER; |
| <b>Gene ID</b>             | 2273                                                                                                                                                                                                                                                                                                                                                |
| <b>mRNA Refseq</b>         | NM_001159699                                                                                                                                                                                                                                                                                                                                        |
| <b>Protein Refseq</b>      | NP_001153171                                                                                                                                                                                                                                                                                                                                        |
| <b>MIM</b>                 | 300163                                                                                                                                                                                                                                                                                                                                              |
| <b>UniProt ID</b>          | Q13642                                                                                                                                                                                                                                                                                                                                              |
| <b>Chromosome Location</b> | Xq26.3                                                                                                                                                                                                                                                                                                                                              |
| <b>Pathway</b>             | Delta-Notch Signaling Pathway, organism-specific biosystem;                                                                                                                                                                                                                                                                                         |
| <b>Function</b>            | metal ion binding; molecular_function; protein binding; zinc ion binding;                                                                                                                                                                                                                                                                           |