

Recombinant Human FHL1, GST-tagged

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

SPECIFICATION

Product Overview	Recombinant Human FHL1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-280a.a.
Description	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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

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Gene Name	FHL1 four and a half LIM domains 1 [Homo sapiens]
Official Symbol	FHL1
Synonyms	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;
Gene ID	2273
mRNA Refseq	NM_001159699
Protein Refseq	NP_001153171
MIM	300163
UniProt ID	Q13642
Chromosome Location	Xq26.3
Pathway	Delta-Notch Signaling Pathway, organism-specific biosystem;
Function	metal ion binding; molecular_function; protein binding; zinc ion binding;