

Recombinant Human FHL1

Cat. No. FHL1-28893TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 23-120 of Human FHL1 with a proprietary tag; Predicted MWt 36.41 kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	98 amino acids
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.
Molecular Weight	36.410kDa
Tissue specificity	Isoform 1 is highly expressed in skeletal muscle and to a lesser extent in heart, placenta, ovary, prostate, testis, small intestine, colon and spleen. Expression is barely detectable in brain, lung, liver, kidney, pancreas, thymus and peripheral blood le
Form	Liquid

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.79% Tris HCl, 0.31% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.
Sequences of amino acids	DGHHCLCKCFDKFCANTCVEC RKPIGADSKEVHYKNRF WHDTCFRCAKCLHPLAN ETFVAKDNKILCNKCTTREDSPKCKGCFKAIVAGDQNVEYKGT
Sequence Similarities	Contains 3 LIM zinc-binding domains.

GENE INFORMATION

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;
Gene ID	2273
mRNA Refseq	NM_001159699
Protein Refseq	NP_001153171
MIM	300163
Uniprot ID	Q13642

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Chromosome Location	Xq26.3
Pathway	Delta-Notch Signaling Pathway, organism-specific biosystem;
Function	metal ion binding; molecular_function; protein binding; zinc ion binding;

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