

Recombinant Human four and a half LIM domains 3, His-tagged

Cat. No. FHL3-328H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	FHL3, 1-280aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-280 a.a.
Description	FHL3 is a member of a family of proteins containing a four-and-a-half LIM domain, which is a highly conserved double zinc finger motif. The protein has been shown to interact with the cancer developmental regulators SMAD2, SMAD3, and SMAD4, the skeletal muscle myogenesis protein MyoD, and the high-affinity IgE beta chain regulator MZF-1. This protein may be involved in tumor suppression, repression of MyoD expression, and repression of IgE receptor expression. Two transcript variants encoding different isoforms have been found for this gene. Recombinant human FHL3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
Molecular Mass	33.6 kDa (303aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMSESFDC AKCNESLYGR KYIQTDSGPY

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CVPCYDNTFA NTCAECQQLI GHDSRELFYE DRHFHEGCFR CCRCQRSLAD
 EPFTCQDSEL LCNDCYCSAF SSQCSACGET VMPGSRKLEY GGQTWHEHCF
 LCSGCEQPLG SRSFVPDKGA HYCVPCYENK FAPRCARCSK TLTQGGVTYR
 DQPWHRECLV CTGCQTPLAG QQFTSRDEDP YCVACFGELF APKCSSCKRP
 IVGLGGGKYV SFEDRHWHHN CFSCARCSTS LVGQGFVPDG DQVLCQGCSQ
 AGP

Purity >90% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 1mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name FHL3 four and a half LIM domains 3 [Homo sapiens]

Official Symbol FHL3

Synonyms FHL3; four and a half LIM domains 3; four and a half LIM domains protein 3; SLIM2; FHL-3; SLIM-2; LIM-only protein FHL3; skeletal muscle LIM-protein 2; MGC8696; MGC19547; MGC23614;

Gene ID 2275

mRNA Refseq NM_001243878

Protein Refseq NP_001230807

MIM 602790

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UniProt ID	Q13643
Chromosome Location	1p34.3
Function	actin binding; metal ion binding; zinc ion binding;

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