

FHL3, 1-280aa, Human, His tag, E.coli

Cat.NO.: TP02128

3th Edition

Synonyms:Four and a half LIM domains 3, SLIM2, NP_004459, SLIM-2, Skeletal muscle LIM-protein 2

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 Weight:33.6 kDa (303aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSMSESFDCAKCNESLYGRKYIQTDSGPYCVPCYDNTFANTCAECQQLIGHDS
RELFYEDRHFHEGCFRCCRCQRSLADEPFTCQDSELLCND CYCSAFSSQCSACGETVMPGSRKLEYGGQTWHE
HCFLCSGCEQPLGSRSFVPDKGAHYCVPCYENKFAPRCARCSKTLTQGGVTYRDQPWHRECLVCTGCQTPLAG
QQFTSRDEDPYCVACFGE LFAPKCSSCKRPVGLGGGKYVSFEDRHHWHNCFSCARCSTSLVGQG FVPDGDQVL
CQGCSQAGP

Purity:> 95% by HPLC

Concentration:1mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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