## PRODUCT INFORMATION

## Expression system

E.coli

## Domain

1-279aa
UniProt No.
Q14192
NCBI Accession No.
NP_001034581

## Alternative Names

Four and a half LIM domains 2, AAG11, DRAL, FHL-2, SLIM-3, SLIM3

## PRODUCT SPECIFICATION

## Molecular Weight

34.6 kDa (302aa)

## Concentration

$0.5 \mathrm{mg} / \mathrm{ml}$ (determined by Bradford assay)

## Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10\% glycerol

## Purity

> 85\% by SDS-PAGE

## Tag

His-Tag

## Application

SDS-PAGE, Denatured

## Storage Condition

Can be stored at +2 C to +8 C for 1 week. For long term storage, aliquot and store at -20 C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

## Description

FHL2 is 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. This protein is thought to have a role in the assembly of extracellular membranes. Also, this gene is downregulated during transformation of normal myoblasts to rhabdomyosarcoma cells and the encoded protein may function as a link between presenilin-2 and an intracellular signaling pathway. Multiple alternatively spliced variants, encoding the same protein, have been identified. Recombinant human FHL2 protein, fused to His-tag at

N-terminus, was expressed in E. coli.

## Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>MTERFDC HHCNESLFGK KYILREESPY CVVCFETLFA NTCEECGKPI GCDCKDLSYK DRHWHEACFH CSQCRNSLVD KPFAAKEDQL LCTDCYSNEY SSKCQECKKT IMPGTRKMEY KGSSWHETCF ICHRCQQPIG TKSFIPKDNQ NFCVPCYEKQ HAMQCVQCKK PITTGGVTYR EQPWHKECFV CTACRKQLSG QRFTARDDFA YCLNCFCDLY AKKCAGCTNP ISGLGGTKYI SFEERQWHND CFNCKKCSLS LVGRGFLTER DDILCPDCGK DI

## General References

Verset,L., et al. (2013) Br. J. Cancer 109 (1), 114-120
Han,W., et al. (2013) J. Clin. Invest. 123 (5), 2103-2118

## DATA

## SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

