Datasheet for ABIN7562547

# FHL2 Protein (AA 1-279) (His tag)

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## Overview

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| Quantity: | 1 mg |
| Target: | FHL2 |
| Protein Characteristics: | AA 1-279 |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This FHL2 protein is labelled with His tag. |
| Application: | SDS-PAGE (SDS), Western Blotting (WB) |

## Product Details

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| Purpose: | Custom-made recombinat Fhl2 Protein expressed in mammalien cells. |
| Sequence: | MTERFDCHHC NESLYGKKYI LKEENPHCVA CFEELYANTC EECGTPIGCD CKDLSYKDRH WHEGCFHCSR CGSSLVDKPF AAKEEQLLCT DCYSNEYSSK CQECKKTIMP GTRKMEYKGS SWHETCFTCQ RCQQPIGTKS FIPKENQNFC VPCYEKQYAL QCVQCKKPIT TGGVTYREQP WHKECFVCTA CKKQLSGQRF TARDEFPYCL TCFCDLYAKK CAGCTNPISG LGGTKYISFE ERQWHNDCFN CKKCSLSLVG RGFLTERDDI LCPDCGKDI **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.** |
| Characteristics: | Key Benefits:<br>• Made to order protein - from design to production - by highly experienced protein experts. |

## Product Details

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| | • Protein expressed in mammalien cells and purified in one-step affinity chromatography<br>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.<br>• State-of-the-art algorithm used for plasmid design (Gene synthesis).<br><br>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.<br><br>If you are not interested in a full length protein, please contact us for individual protein fragments.<br><br>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified. |
| Purity: | > 90 % as determined by Bis-Tris Page, Western Blot |
| Grade: | custom-made |

## Target Details

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| Target: | FHL2 |
| Alternative Name: | Fhl2 (FHL2 Products) |
| Background: | Four and a half LIM domains protein 2 (FHL-2) (Skeletal muscle LIM-protein 3) (SLIM-3),FUNCTION: May function as a molecular transmitter linking various signaling pathways to transcriptional regulation. Negatively regulates the transcriptional repressor E4F1 and may function in cell growth. Inhibits the transcriptional activity of FOXO1 and its apoptotic function by enhancing the interaction of FOXO1 with SIRT1 and FOXO1 deacetylation (By similarity). Negatively regulates the calcineurin/NFAT signaling pathway in cardiomyocytes (PubMed:22851699). {ECO:0000250\|UniProtKB:Q14192, ECO:0000269\|PubMed:22851699}. |
| Molecular Weight: | 32.1 kDa |
| UniProt: | O70433 |
| Pathways: | Intracellular Steroid Hormone Receptor Signaling Pathway, Regulation of Lipid Metabolism by PPARalpha |

## Application Details

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| Application Notes: | In addition to the applications listed above we expect the protein to work for functional studies |

## Application Details

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| | as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though. |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Liquid |
| Buffer: | The buffer composition is at the discretion of the manufacturer. |
| Handling Advice: | Avoid repeated freeze-thaw cycles. |
| Storage: | -80 °C |
| Storage Comment: | Store at -80°C. |
| Expiry Date: | 12 months |