

Datasheet for ABIN7565030
KLF15 Protein (AA 1-415) (His tag)



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3 Images

Overview

Quantity:	1 mg
Target:	KLF15
Protein Characteristics:	AA 1-415
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KLF15 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Klf15 Protein expressed in mammalian cells.
Sequence:	<p>MVDHLLPVDE TFSSPKCSVG YLGDRLASRQ PYHMLPSPIS EDDSDVSSPC SCASPDSQAF</p> <p>CSCYSAGPGP EAQGSILDFL LSRATLGSGG GSGGIGDSSG PVTWGSWRRA SVPVKEEHFC</p> <p>FPEFLSGDTD DVSRPFQPTL EEIEEFLEEN MEAEVKEAPE NGSRDLETCS QLSAGSHRSH</p> <p>LHPESAGRER CTPPPGGTSG GGAQSAGEGP AHDGPVPVLL QIQPVAVKQE AGTGPASPGQ</p> <p>APESVKVAQL LVNIQGQTFA LLPQVVPSSN LNLPSKFVRI APVPAAKPI GSGSLGPGPA</p> <p>GLLVGQKFPK NPAAELLKMH KCTFPGCSKM YTKSSHLKAH LRRHTGEKPF ACTWPGCGWR</p> <p>FSRSELSRH RRS HSGVKPY QCPVCEKKFA RSDHLSKHIK VHRFPRSSRA VRAIN Sequence</p> <p>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.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Product Details

Characteristics:	<div><div>Key Benefits:</div><ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis).<p>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.</p><p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p><p>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.</p></div>
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Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
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Grade:	custom-made
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Target Details

Target:	KLF15
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Alternative Name:	Klf15 (KLF15 Products)
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Background:	<p>Krueppel-like factor 15 (Cardiovascular Krueppel-like factor),FUNCTION: Transcriptional regulator that binds to the GA element of the CLCNKA promoter (By similarity). Binds to the KCNIP2 promoter and regulates KCNIP2 circadian expression in the heart. Is a repressor of CCN2 expression, involved in the control of cardiac fibrosis. Is also involved in the control of cardiac hypertrophy acting through the inhibition of MEF2A, GATA4 and MYOCD activity. Is a negative regulator of TP53 acetylation. Inhibits NF-kappa-B activation through repression of EP300-dependent RELA acetylation (By similarity). Involved in podocyte differentiation.</p> <p>{ECO:0000250, ECO:0000269 PubMed:17438289, ECO:0000269 PubMed:18586263, ECO:0000269 PubMed:20375365, ECO:0000269 PubMed:20566642, ECO:0000269 PubMed:22367544, ECO:0000269 PubMed:22493483, ECO:0000269 PubMed:23999430}.</p>
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Molecular Weight:	44.3 kDa
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UniProt:	Q9EPW2
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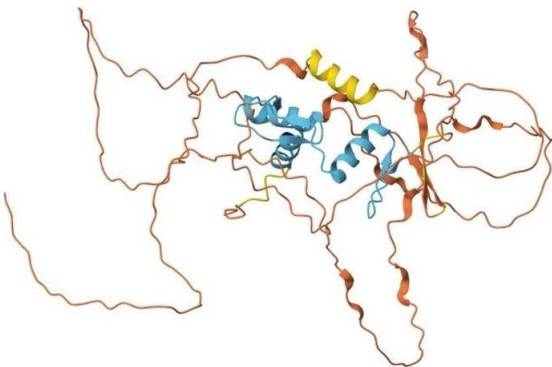
Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

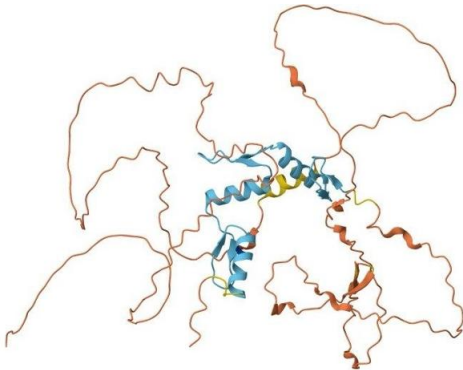
Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months

Images



Protein Structure

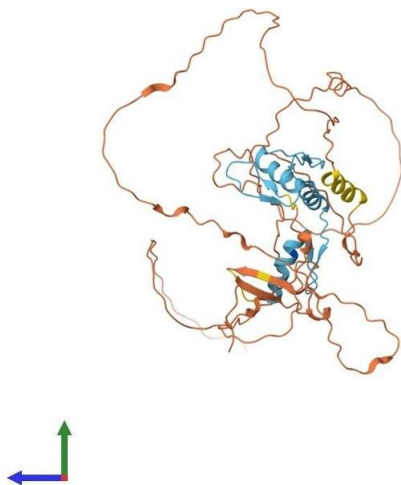
Image 1. AlphaFold protein structure prediction of Mouse Recombinant Klf15 Protein, UniprotID Q9EPW2



Protein Structure

Image 2. AlphaFold protein structure prediction of Mouse Recombinant Klf15 Protein, UniprotID Q9EPW2





Protein Structure

Image 3. AlphaFold protein structure prediction of Mouse Recombinant Klf15 Protein, UniprotID Q9EPW2