

Datasheet for ABIN7548862
KLF7 Protein (AA 1-302) (His tag)



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Overview

Quantity:	1 mg
Target:	KLF7
Protein Characteristics:	AA 1-302
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KLF7 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat KLF7 Protein expressed in mammalian cells.
Sequence:	<p>MDVLASYSIF QELQLVHDTG YFSALPSLEE TWQQTICLELE RYLQTEPRRI SETFGEDLDC FLHASPPPCI EESFRRLDPL LLPVEAAICE KSSAVDILLS RDKLLSETCL SLQPASSSLD SYTAVNQAQL NAVTSLTPPS SPELSRHLVK TSQTL SAVDG TVTLKLVAKK AALSSVKVGG VATAAAVTA AGAVKSGQSD SDQGGLGAEA CPENKKRVHR CQFNGCRKVY TKSSHLKAHQ RTHTGEKPYK CSWEGCEWRF ARSDELTRHY RKHTGAKPFK CNHCDFCFR SDHLALHMKR HI</p> <p>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.</p>
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"> Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- 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).

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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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

Target:	KLF7
Alternative Name:	KLF7 (KLF7 Products)
Background:	Krueppel-like factor 7 (Ubiquitous krueppel-like factor),FUNCTION: Transcriptional factor (PubMed:9774444, PubMed:16339272). Plays a critical role in neuronal morphogenesis and survival of sensory neurons (By similarity). Represses the corneal epithelium differentiation (PubMed:28916725). Acts also as a metabolic regulator, by modulating insulin sensitivity in pancreatic beta cells and skeletal muscle cells (PubMed:16339272). Inhibits transcriptional inducers of adipogenesis and has a repressive role in the expression of several adipokines, including leptin (PubMed:16339272). {ECO:0000250 UniProtKB:Q99JB0, ECO:0000269 PubMed:16339272, ECO:0000269 PubMed:28916725, ECO:0000269 PubMed:9774444}.
Molecular Weight:	33.4 kDa
UniProt:	O75840

Application Details

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

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

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