

Datasheet for ABIN7548716
KLF1 Protein (AA 1-362) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	KLF1
Protein Characteristics:	AA 1-362
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KLF1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat KLF1 Protein expressed in mammalian cells.
Sequence:	MATAETALPS ISTLTALGPF PDTQDDFLKW WRSEEAQDMG PGPPDPTEPP LHVKSEDQPG EEEDDERGAD ATWDLDLLLT NFSGPEPGGA PQTALAPSE ASGAQYPPPP ETLGAYAGGP GLVAGLLGSE DHSGWVRPAL RARAPDAFVG PALAPAPAPE PKALALQPVY PGPGAGSSGG YFPRTGLSVP AASGAPYGLL SGYPAMYAP QYQGHFQLFR GLQGPAPGPA TSPSFLSCLG PGTVGTGLGG TAEDPGVIAE TAPSKRGRRS WARKRQAAHT CAHPGCGKSY TKSSHLKAHL RTHTEKPYA CTWEGCGWRF ARSDELTRHY RKHTGQRPFR CQLCPRAFSR SDHLALHMKR HL 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:

Product Details

- 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).

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:	KLF1
---------	------

Alternative Name:	KLF1 (KLF1 Products)
-------------------	--

Background:	Krueppel-like factor 1 (Erythroid krueppel-like transcription factor) (EKLF),FUNCTION: Transcription regulator of erythrocyte development that probably serves as a general switch factor during erythropoiesis. Is a dual regulator of fetal-to-adult globin switching. Binds to the CACCC box in the beta-globin gene promoter and acts as a preferential activator of this gene. Furthermore, it binds to the BCL11A promoter and activates expression of BCL11A, which in turn represses the HBG1 and HBG2 genes. This dual activity ensures that, in most adults, fetal hemoglobin levels are low. Able to activate CD44 and AQP1 promoters. When sumoylated, acts as a transcriptional repressor by promoting interaction with CDH2/Mi2beta and also represses megakaryocytic differentiation. {ECO:0000250 UniProtKB:P46099, ECO:0000269 PubMed:25585695}.
-------------	---

Molecular Weight:	38.2 kDa
-------------------	----------

UniProt:	Q13351
----------	------------------------

Application Details

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