



Recombinant Human KLF1 Protein Product Manual

1. Product Basic Information

Product No.: REP07293

Protein Name: Erythroid Krueppel-Like Transcription Factor (KLF1)

Aliases: EKLF; CDAN4A; CDAN4B; EKLF/KLF1; erythroid krueppel-like transcription factor; erythroid-specific transcription factor EKLF

UniProt ID: Q13351

UniProt Link: <https://www.uniprot.org/uniprotkb/Q13351/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-362aa)

Molecular Weight: 52.2 kDa

Protein Tag: N-terminal 6xHis-B2M-tagged

2. Amino Acid Sequence (1-362aa)

MATAETALPSISTLTALGPF PDTQDDFLKWWRSEEAQDMGPGPPDPT EPPLHVKS
EDQPGEEEDDERGADATWDL DLLLTNFSGPEPGGAPQTCALAPSEASGAQYPPPP
ETLGAYAGGPGLVAGLLGSEDHSGWVRPALRARAPDAFVG PALAPAPAPEPKALA
LQPVYPGPGAGSSGGYFPRTGLSVPAASGAPYGLLSGYPAMY PAPQYQGHFQLF
RGLQGPAPGPATSPSFLSCLGPGTVGTGLGGTAEDPGVIAETAPSKRGRRSWARK
RQAAHTCAHPGCGKSYTKSSHLKAHLRTH TGEKPYACTWEGCGWRFARSDELTR
HYRKHTGQRPFRQCQLCPRAF SRSDHLALHMKRHL

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human KLF1 full length protein (1-362aa) expressed in E.coli. The protein is with 6xHis-B2M tag at the N-terminus, which facilitates protein purification, detection and identification. KLF1, also known as EKLF or CDAN4A or CDAN4B, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.