

Recombinant Human KLF1 Protein, His-tagged

Cat. No. KLF1-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KLF1 Protein with His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	This gene encodes a hematopoietic-specific transcription factor that induces high-level expression of adult beta-globin and other erythroid genes. The zinc-finger protein binds to the DNA sequence CCACACCCT found in the beta hemoglobin promoter. Heterozygous loss-of-function mutations in this gene result in the dominant In(Lu) blood phenotype.
Molecular Mass	39 kDa
AA Sequence	MHHHHHHATAETALPSISTLTALGPFDPDTQDDFLKWWRSEEAQDMGPGPPDPTEP PLHVKSEDQPGEEEDDERGADATWDLDLLLTNFSGPEPGGAPQTCALAPSEASGA QYPPPPETLGAYAGGPGLVAGLLGSEDHSGWVRPALRARAPDAFVG PALAPAPAP EPKALALQPVYPGPGAGSSGGYFPRTGLSVPAASGAPYGLLSGY PAMY P APQYQG HFQLFRGLQG PAPGPATSPSFLSCLGPGTVGTGLGGTAEDPGVIAETAPSKRGRRS WARKRQAAHTCAHPGCGKSYTKSSHLKAHLRHTTGEKPYACTWEGCGWRFARSD ELTRHYRKHTGQRPFRCQLCPRAFSRSDHLALHMKRHL
Purity	> 90% by SDS-PAGE and HPLC
Applications	MHHHHHHATAETALPSISTLTALGPFDPDTQDDFLKWWRSEEAQDMGPGPPDPTEP

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PLHVKSEDQPGEEEDDERGADATWDLDLLLTNFSGPEPGGAPQTCALAPSEASGA
 QYPPPPETLGAYAGGPGLVAGLLGSEDHSGWVRPALRARAPDAFVGPAAPAPAP
 EPKALALQPVYPGPGAGSSGGYFPRTGLSVPAASGAPYGLLSGYPAMYAPQYQG
 HFQLFRGLQGPAPGPATSPSFLSCLGPGTVGTGLGGTAEDPGVIAETAPSKRGRRS
 WARKRQAAHTCAHPGCGKSYTKSSHLKAHLRHTTGEKPYACTWEGCGWRFARSD
 ELTRHYRKHTGQRPFRQCPLCPRAFSRSDHLALHMKRHL

Storage

Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Concentration

0.22 mg/mL

Storage Buffer

25mM Tris, 0.15M NaCl, 10% glycerol, 1mM DTT, pH 8.0

GENE INFORMATION

Gene Name

[KLF1 KLF transcription factor 1 \[Homo sapiens \(human\) \]](#)

Official Symbol

[KLF1](#)

Synonyms

KLF1; KLF transcription factor 1; EKLF; EKLF/KLF1; Krueppel-like factor 1; Kruppel like factor 1; erythroid Kruppel-like factor; erythroid krueppel-like transcription factor; erythroid-specific transcription factor EKLF

Gene ID

[10661](#)

mRNA Refseq

[NM_006563](#)

Protein Refseq

[NP_006554](#)

MIM

[600599](#)

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UniProt ID	Q13351
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SDS-PAGE

HPLC

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