
Product Data Sheet

Product Name: KLF4 Human
 Cat. No.: GP23750
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Kruppel-like factor 4 (gut); EZF; GKLF; Epithelial zinc finger protein EZF; Gut-enriched krueppel-like factor; endothelial Kruppel-like zinc finger protein.		
Amino Acid Sequence	MAHHHHHMA DQLTEEQIAE FKEAFSLFDK DGDGTITKE LGTVMRSLGQ NPTEAELQDM INEVDADGNG TIDFPEFLTM MARKMKDSTS EEEIREAFRV FDKDGNGYIS AAELRHVMTN LGEKLTDEEV DEMIREADID GDGQVNYEEF VQMMTAKGSM AVSDALLPSF STFASGPAGR EKTLRQAGAP NNRWREELSH MKRLPPVLPG RPYDLAAATV ATDLES GGAG AACGGSNLAP LPRRETEEFN DLLDLDFILS NSLTHPPESV AATVSSSASA SSSSSPSSSG PASAPSTCSF TYPIRAGNDP GVAPGGTGGG LLYGRESAPP PTAPFNLADI NDVSPSGGFV AELLRPELDP VYIPPQQPQP PGGGLMGKFV LKASLSAPGS EYGSPSVISV SKGSPDGSHP VVAPYNGGP PRTC PKIKQE AVSSCTHLGA GPPLSNGHRP AAHDFPLGRQ LPSRTTPTLG LEEVLSSRDC HPALPLPPGF HPHPGPNYPS FLPDQMOPQV PPLHYQELMP PGSCMPEEPK PKRGRRSWPR KRTAT		
Formulation	The KLF4 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 0.1M NaCl and 10% glycerol.		

Introduction

KLF4 is a transcription factor that performs as both an activator and repressor. KLF4 is expressed mainly in erythroid tissues and found mostly in gut. KLF4 is takes part in the differentiation of epithelial cells in addition to skeletal and kidney development.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1%

Caution: Product has not been fully validated for medical applications. For research use only.

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

KLF4 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 545 amino acids (11-395) and having a molecular mass of 58.1 kDa. The KLF4 is fused to a 159 amino acid His-CaM Tag at N-terminus and purified by proprietary chromatographic techniques.

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