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**Product Data Sheet**


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Product Name: KLF4 Human, His  
 Cat. No.: GP23751  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Kruppel-LikeFactor 4 (Gut); GKLF; EZF; Epithelial Zinc Finger Protein EZF; Gut-EnrichedKrueppel-Like Factor; Endothelial Kruppel-Like Zinc Finger Protein;Krueppel-Like Factor 4; Krueppel-like factor 4; Epithelial zinc finger proteinEZF; Gut-enriched krueppel-like factor.		
Amino Acid Sequence	MRGSHHHHHH GMASMTGGQ MGRDLYDDDD KDRWGSMASVS DALLPSFSTF ASGPAGREKT LRQAGAPNNR WREELSHMKRLPPVLPGRPY DLAAATVATD LESGGAGAAC GGSNLAPLPR RETEEFNDLL DLDFILSNLS THPPESVAATVSSASASSS SSPSSSGPAS APSTCSFTYP IRAGNDPGVA PGGTGGGLLY GRESAPPPTA PFNLADINDVSPSGGFVAEL LRPELDPVYI PPQQPQPPGG GLMGKFVLKA SLSAPGSEYG SPSVISVSKG SPDGSHPVVVAPYNGGPPRT CPKIKQEAVS SCTHLGAGPP LSNGHRPAAH DFPLGRQLPS RTTPTLGLLE VLSSRDCHPALPLPPGFHPPH PGPNYPSFLP DQMQPQVPPL HYQELMPPGS CMPEEPKPKR GRRSWPRKRT AT.		
Formulation	KLF4 protein solution (1mg/ml) containing 20mM Tris-HClbuffer (pH 8.0) 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% HSA or BSA). Avoid multiple freeze-thaw cycles.

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

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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### Background

KLF4 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 422 amino acids (11-395 a.a) and having a molecular mass of 44.2kDa. KLF4 is fused to a 37 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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