

**KLF4, 11-395aa, Human, His CaM tag, E.coli**

**Cat.NO.: TP02736**

3th Edition

**Synonyms:**Kruppel-like factor 4, EZF, GKLf.

**Description:**KLF4 is a transcription factor which acts as both an activator and repressor. This protein is expressed principally in erythroid tissues and found predominantly in gut. KLF4 is involved in the differentiation of epithelial cells and may also function in skeletal and kidney development. Recombinant human KLF4 protein, fused to His-CaM-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol, 1mM DTT, 0.1M NaCl.

**Molecular Weight:**58.1 kDa (545aa)

**Sequences:**

MAHHHHHHMADQLTEEQIAEFKEAFSLFDKDGDTITTKELGTVMRSLGQNPTEAELQDMINEVDADGNGTIDFPE  
FLTMMARKMKDSTDSEEEIREAFRVFDKDGNGYISAAELRHVMTNLGEKLTDEEVDEMIREADIDGDGQVNYEEFVQ  
MMTAKGSMASDALLPSFSTFASGPAGREKTLRQAGAPNNRWREELSHMKRLPPVLPGRPYDLAAATVATDLES  
GGAGAACGGSNLAPLPRRETEEFNDLLDLDFILSNLTHPPESVAATVSSASASSSSSSPSSSGPASAPSTCSFTYP  
IRAGNDPGVAPGGTGGGLLYGRESAPPPTAPFNLADINDVSPSGGFVAELLRPELDPVYIPPPQPPGGGLMGK  
FVLKASLSAPGSEYGSPSVISVSKGSPDGSHPVVAPYNGGPPRTCPKIKQEAVSSCTHLGAGPPLSNGHRPAAH  
DFPLGRQLPSRTTPTLGLEEVLSSRDCHPALPLPPGFHHPGNYPSPFLPDQMPPVPLHYQELMPPGSCMPEE  
PKPKRGRRSWPRKRTAT

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.