

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

**Cat.NO.: TP02735**

3th Edition

**Synonyms:**Kruppel-like factor 4, EZF, GCLF

**Description:**KLF4 also known as Kruppel-like factor4. 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, was expressed in E.coli

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

**Molecular Weight:**44.2kDa (422aa)

**Sequences:**

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSMASVSDALLPSFSTFASGPAGREKTLRQAGAPNNRW  
REELSHMKRLPPVLPGRPYDLAAATVATDLESGGAGAACGGSNLAPLPRRETEEFNDLLDLDFILSNLSLTHPPESVA  
ATVSSASASSSSSSPSSSGPASAPSTCSFTYPIRAGNDPGVAPGGTGGGLLYGRESAPPPTAPFNLADINDVSPSG  
GFVAELLRPELDPVYIPQPPQPPGGGLMGKFVLKASLSAPGSEYGSPSVISVSKGSPDGSHPVVVAPYNGGPPR  
TCPKIKQEAVSSCTHLGAGPPLSNGHRPAAHDFPLGRQLPSRTTPTLGLLEVLSSRDCHPALPLPPGFHHPGPNY  
PSFLPDQMQPQVPPLHYQELMPPGSCMPEEPKPKRGRRSWPRKRTAT

**Purity:**> 95% by HPLC

**Concentration:**1mg/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.