

## 32-4055: Recombinant Human Kruppel-Like Factor 4

**Alternative Name :** Kruppel-like factor 4 (gut), EZF, GKLF, Epithelial zinc finger protein EZF, Gut-enriched krueppel-like factor, endothelial Kruppel-like zinc finger protein.

### Description

Source : E.coli. 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. 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.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 80% as determined by SDS-PAGE.  
**Content :** The KLF4 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 0.1M NaCl and 10% glycerol.  
**Storage condition :** 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.  
**Amino Acid :** MAHHHHHHMA DQLTEEQIAE FKEAFSLFDK DGDGTITTK E LGTVMRSLGQ NPTEAELQDM  
INEVDADGNG TIDFPEFLTM MARKMKD TDS EEEIREAFRV FDKDGNNGYIS AAELRHVMTN LGEKLTDEEV  
DEMIREADID GDGQVNYEEF VQMMTAKGSM AVSDALLPSF STFASGPAGR EKTLRQAGAP  
NNRWREELSH MKRLPPVLPG RPYDLAAATV ATDLESGGAG AACGGSNLAP LPRRETEEFN DLLDLDFILS  
NSLTHPPESV AATVSSSASA SSSSSPSSSG PASAPSTCSF TYPIRAGNDP GVAPGGTGGG LLYGRESAPP  
PTAPFNLADI NDVSPSGGFV AELLRPELDP VYIPQPPQP PGGGLMGKFV LKASLSAPGS EYGSPSVISV  
SKGSPDGSHP VVAPYNGGP PRTCPKIKQE AVSSCTHLGA GPPLSNGHRP AAHDFPLGRQ LPSRTTPTLG  
LEEVLSSRDC HPALPLPPGF HPHPGPNYPS FLPDQMOPV PPLHYQELMP PGSCMPEEPK PKRGRRSWPR  
KRTAT

