

## KLF4 Human

**Description:** 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.

**Catalog #:** PRPS-898

For research use only.

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

**Source:** E.coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MAHHHHHMA DQLTEEQIAE FKEAFSLFDK DGDGTITTKE  
LGTVMRSLGQ NPTEAELQDM INEVDADGNG TIDFPEFLTM MARKMKDTS EEEIREAFRV  
FDKDGNGYIS AAELRHVMTN LGEKLTDEEV DEMIREADID GDGQVNYEEF VQMMTAKGSM  
AVSDALLPSF STFASGPAGR EKTLRQAGAP NNRWREELSH MKRLPPVLP RPYDLAAATV  
ATDLESGGAG AA

**Purity:** Greater than 80% as determined by SDS-PAGE.

### Formulation:

The KLF4 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 0.1M NaCl and 10% glycerol.

### 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.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### 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.

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