

AR39085PU-N**Human KLF4 (11-395, His-Cam-tag) - Purified**

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| Alternate names: | EZF, Epithelial zinc finger protein EZF, GKL, Gut-enriched krueppel-like factor, Krueppel-like factor 4 |
| Quantity: | 50 µg |
| Concentration: | 1.0 mg/ml (determined by Bradford assay) |
| Background: | 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. |
| Uniprot ID: | O43474 |
| NCBI: | NP_004226 |
| GeneID: | 9314 |
| Species: | Human |
| Source: | E. coli |
| Format: | State: Liquid purified protein Purity: >80% Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT, 0.1M NaCl |
| Description: | Recombinant human KLF4 protein, fused to His-CaM-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: <u>MAHHHHHMA DQLTFEQLAE FKEAFSLFDK DGDGTITTKELGTVMRSLGO NPTEAELODM</u> <u>INEVDADGNG TIDFPEFLTM MARKMKDTS EEEIREAFRV FDKDNGYIS AAELRHVMTN</u> <u>LGEKLTDEEV DEMIREADID GDGOVNYEEF VOMMTAKGSM AVSDALLPSF STFASGPAGR</u> <u>EKTLRQAGAP NNRWREELSH MKRLPPVLPGRPYDLAAATV ATDLESGGAG AACGGSNLAP</u> <u>LPRRETEEFN DLLDLDFILS NSLTHPPESV AATVSSSASA SSSSSPSSSG PASAPSTCSF</u> <u>TYPIRAGNDP GVAPGGTGGG LLYGRESAPP PTAPFNLADI NDVSPSGGFV AELLRPELDP</u> <u>VYIPPQQQP PGGGLMGKFV LKASLSAPGS EYGSPSVISV SKGSPDGSHPVVAPYNGGP</u> <u>PRTCCKIKQE AVSSCTHLGA GPPLSNGHRP AAHDFPLGRQLPSRTTPTLG LEEVLSSRDC</u> <u>HPALPLPPGF HPHPGPNYPS FLPDQMQPQV PPLHYQELMP PGSCMPEEPK PKRGRRSWPR KRTAT</u> Molecular weight: 58.1 kDa (545aa) |
| Storage: | Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch. |
| General Readings: | Deborah E., et al. (2000) Nucleic Acids Res. 28(5):1106-1113. |

Pictures:

Recombinant human KLF4, 11- 395 aa, His-Cam tagged

