

Kruppel-Like Factor 4 Human Recombinant

Item Number	rAP-3525
Synonyms	Kruppel-like factor 4 (gut), EZF, GKLF, Epithelial zinc finger protein EZF, Gut-enriched krueppel-like factor, endothelial Kruppel-like zinc finger protein.
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.
Uniprot Accession Number	O43474
Amino Acid Sequence	MAHHHHHMA DQLTEEQIAE FKEAFSLFDK DGDGTITTKE LGTVMRSLGQ NPTEAELQDM INEV-DADGNG TIDFPEFLTM MARKMKDTS EEEIREAFRV FDKDNGYIS AAELRHVMTN LGEKLTDEEV DEMIREADID GDGQVNYEEF VQMMTAKGSM AVSDALLPSF STFASGPAGR EKTLRQAGAP NNRWREELSH MKRLPPVLPG RPYDLAAATV ATDLESGGAG AACGGSNLAP LPRRETEEFN DLLDLD-FILS NSLTHPPESV AATVSSSASA SSSSSPSSSG PASAPSTCSF TYPIRAGNDP GVAPGGTGGG LLY-GRESAPP PTAPFNLADI NDVSPSGGFV AELLRPELDP VYIPPQQPQP PGGGLMGKFV LKASLSAPGS
Source	E.coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	The KLF4 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 0.1M NaCl and 10% glycerol. Greater than 80% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**