

32-4057: Recombinant Human Kruppel-Like Factor 7

Alternative Name : UKLF, Krueppel-like factor 7, Ubiquitous krueppel-like factor, KLF7.

Description

Source : Escherichia Coli. KLF7 Human Recombinant produced in E. coli is a single polypeptide chain containing 325 amino acids (1-302) and having a molecular mass of 35.8kDa. KLF7 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Kruppel-Like Factor 7 (KLF7) is a part of the Kruppel-like transcriptional regulator family whose members regulate cell proliferation, differentiation and survival and contain 3 C2H2 zinc fingers at the C-terminus that mediate binding to GC-rich sites. KLF7 contributes to the progression of type 2 diabetes by inhibiting insulin expression and secretion in pancreatic beta-cells and also by deregulating adipocytokine secretion in adipocytes.

Product Info

Amount :	20 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	The KLF7 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M urea 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 :	MGSSHHHHHH SSSLVPRGSH MGSMDVLASY SIFQELQLVH DTGYFSALPS LEETWQQTCL ELERYLQTEP RRISETFGED LDCFLHASPP PCIEESFRRL DPLLLPVEAA ICEKSSAVDI LLSRDKLLSE TCLSLQPASS SLDSYTAVNQ AQLNAVTSLT PPSSPELSRH LVKTSQTLA VDGTVTLKLV AKKAALSSVK VGGVATAAAA VTAAGAVKSG QSDSDQGGLG AEACPENKKR VHRCQFNGCR KVYTKSSHLK AHQRTHTGEK PYKCSWEGCE WRFARSDDEL RHYRKHTGAK PFKCNHCDRC FSRSDHLALH MKRHI.

