

Recombinant Human Kruppel-like factor 7 (ubiquitous), His-tagged

Cat. No. KLF7-220H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	KLF7, 1-302aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-302 a.a.
Description	KLF7 is a member of the Kruppel-like transcriptional regulator family. Members in this family regulate cell proliferation, differentiation and survival and contain three C2H2 zinc fingers at the C-terminus that mediate binding to GC-rich sites. This protein may contribute to the progression of type 2 diabetes by inhibiting insulin expression and secretion in pancreatic beta-cells and by deregulating adipocytokine secretion in adipocytes. A pseudogene of this gene is located on the long arm of chromosome 3. Alternative splicing results in multiple transcript variants. Recombinant human KLF7 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol
Molecular Mass	35.8kDa (325aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMVDLAS YSIFQELQLVH DTGYFSALPS LEETWQQTCL ELERYLQTEP RRISETFGED LDCFLHASPP PCIEESFRRL DPLLLPVEAA ICEKSSAVDI LLSRDKLLSE TCLSLQPASS SLDSYAVNQ

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AQLNAVTSLT PPSSPELSRH LVKTSQTLA VDGTVTLKLV AKKAALSSVK
VGGVATAAAA VTAAGAVKSG QSDSDQGGLG AEACPENKKR VHRCQFNGCR
KVYTKSSHLK AHQRTHTGEK PYKCSWEGCE WRFARSDEL T RHYRKHTGAK
PFKCNHCDRC FSRSDHLALH MKRHI

Purity >90% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name KLF7 Kruppel-like factor 7 (ubiquitous) [Homo sapiens]

Official Symbol KLF7

Synonyms KLF7; Kruppel-like factor 7 (ubiquitous); Krueppel-like factor 7; UKLF; ubiquitous krueppel-like factor; ubiquitous Kruppel-like transcription factor;

Gene ID 8609

mRNA Refseq NM_003709

Protein Refseq NP_003700

MIM 604865

UniProt ID O75840

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Chromosome Location	2q32
Pathway	Adipogenesis, organism-specific biosystem;
Function	DNA binding; metal ion binding; nucleic acid binding; sequence-specific DNA binding transcription factor activity; transcription coactivator activity; zinc ion binding;

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