

# 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 MGSM DV LASY SIFQELQLVH DTGYFSALPS  
LEETWQQTCL ELERYLQTEP RRISETFGED LDCFLHASPP PCIEESFRRL  
DPLLLPVEAA ICEKSSAVDI LLSRDKLLSE TCLSLQPASS SLDSYAVNQ

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

AQLNAVTSLT PPSSPELSRH LVKTSQTLA VDGTVTLKLV AKKAALSSVK  
 VGGVATAAAA VTAAGAVKSG QSDSDQGGLG AEACPENKKR VHRCQFNGCR  
 KVYTKSSHLK AHQRTHTGEK PYKCSWEGCE WRFARSDDELTA 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](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA