Product Information

Recombinant human KLF7 protein

Catalog Number: IBATGP2174

PRODUCT INPORMATION

Expression system
E.coli

Domain
1-302aa

UniProt No.
O75840

NCBI Accession No.
NP_003700

Alternative Names
Kruppel-like factor 7, uKLF

PRODUCT SPECIFICATION

Molecular Weight
35.8 kDa (325aa)

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity
> 85% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE, Denatured

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

Manufactured for:
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Amino acid Sequence

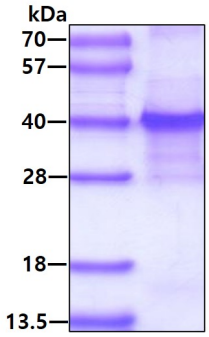
<MGSSHHHHHH SSGLVPRGSH MGS>MDVLASY SIFQELQLVH DTGYFSALPS LEETWQQTCL ELERYLQTEP RRISETFGED LDCFLHASPP PCIEESFRRL DPLLLPVEAA ICEKSSAVDI LLSRDKLLSE TCLSLQPASS SLDSYTAVNQ AQLNAVTSLT PPSSPELSRH LVKTSQTLSA VDGTVTLKLV AKKAALSSVK VGGVATAAAA VTAAGAVKSG QSDSDQGGLG AEACPENKKR VHRCQFNGCR KVYTKSSHLK AHQRTHTGEK PYKCSWEGCE WRFARSDELT RHYRKHTGAK PFKCNHCDRC FSRSDHLALH MKRHI

General References

Matsumoto N., et al. (1998) J. Biol. Chem. 273:28229-28237
Kawamura Y., et al. (2006) Mol. Endocrinol. 20:844-856

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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