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## Datasheet for ABIN2468741 KLF4 Protein (TAT tag)

### Overview

Quantity:	0.005 mg
Target:	KLF4
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This KLF4 protein is labelled with TAT tag.

### Product Details

Sequence:	MAVSDALLPS FSTFASGPAG REKTLRQAGA PNNRWREELS HMKRLPPVLP GRPYDLAAAT VATDLESGGA GAACGGSNLA PLPRRETEEF NDLLDLDFIL SNSLTHPPES VAATVSSSAS ASSSSSPSSS GPASAPSTCS FTYPIRAGND PGVAPGGTGG GLLYGRESAP PPTAPFNLAD INDVSPSGGF VAELLRPELD PVYIPPQQPQ PPGGGLMGKF VLKASLSAPG SEYGSPSVIS VSKGSPDGSH PVVVAPYNGG PPRTCPKIKQ EAVSSCTHLG AGPPLSNGHR PAAHDFPLGR QLPSRTTPTL GLEEVLSSRD CHPALPLPPG FHPHPGNYP SFLPDQMQPQ VPPLHYQELM PPGSCMPEEP KPKRGRRSWP RKRTATHTCD YAGCGKTYTK SSKLKAHLRT HTGEKPYHCD WDGCGWKFAR SDELTRHYRK HTGHRPFQCQ KCDRAFSRSD HLAHMKRHF GGYGRKKRRQ RRR
Characteristics:	Endotoxin level is less than 0.1 ng per ug (1EU/μg).
Purity:	< 90 % by SDS-PAGE gel and HPLC analyses.
Endotoxin Level:	Endotoxin level is less than 0.1 ng per ug (1 EU/μg).

## Target Details

Target:	KLF4
Alternative Name:	KLF4 ( <a href="#">KLF4 Products</a> )
Background:	<p>KLF4 is a member of the Kruppel-like factor (KLF) family of zinc finger transcription factors. Members of this family have in common 3 contiguous C2H2-type zinc fingers at the carboxyl terminus that comprise the DNA-binding domain. KLF4 is highly expressed in skin and gut epithelial tissues, but is also found in various other cells and tissues, including vascular endothelial cells, lymphocytes, lung, and testis. It is an important regulator of the cell cycle, transcription, and cell differentiation. Together with Sox2, Oct4, and cMyc, KLF4 can induce the reprogramming of primary human fibroblasts to a pluripotent state. KLF4 and other transcription factors can be introduced into cells by DNA transfection, viral infection, or microinjection. Protein transduction using TAT fusion proteins represents an alternative methodology for introducing transcription factors into primary as well as transformed cells. Recombinant human KLF4-TAT is a 51.7 kDa protein containing 483 amino acid residues, including 13- residue C-terminal TAT peptide.</p>
Gene ID:	9314
NCBI Accession:	<a href="#">NP_004226</a>
OMIM:	194248077
UniProt:	<a href="#">O43474</a>
Pathways:	<a href="#">Peptide Hormone Metabolism</a> , <a href="#">Stem Cell Maintenance</a>

## Application Details

Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Handling Advice:	As with any protein, exposing KLF4-TAT recombinant protein to repeated freeze / thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.
Storage:	-20 °C
Storage Comment:	The recombinant protein is stable for at least 2 years from date of receipt at -20 °C. Reconstituted KLF4-TAT is stable for at least 3 months when stored in working aliquots with a

## Handling

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carrier protein at -20 °C.

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Expiry Date: 24 months