

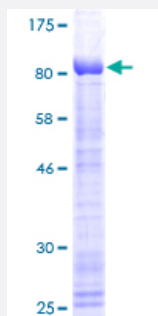
Full-Length

KLF4 (Human) Recombinant Protein (P01)

Catalog # H00009314-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human KLF4 full-length ORF (NP_004226.2, 1 a.a. - 470 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAVSDALLPSFSTFASGPAGREKTLRQAGAPNNRWREELSHMKRLPPVLPGRPYDLAAATVAT
DLESGGAGAACGGSNLAPLPRRETEEFNDLLDLDFILSNLTHPPESVAATVSSSASASSSSSP
SSSGPASAPSTCSFTYPIRAGNDPGVAPGGTGGGLLYGRESAPPTAPFNLADINDVSPSGGFV
AELLRPELDPVYPPQQPQQPPGGGLMGKFVLKASLSAPGSEYGSPSVISVSKGSPDGSHPVVVA
PYNGGPRTCPKIKQEAVSSCTHLGAGPPLSNGHRPAAHDFPLGRQLPSRTTPTLGLLEVLSSR
DCHPALPLPPGFHPHPGNYPFLPDQMGPVPLHYQELMPPGSCMPEEPKPKRGRRSWPR
KRTATHTCDYAGCGKTYTKSSHLKAHLRTHTEKPYHCDWDGCGWKFARSDELTRHYRKHTGH
RPFQCQKCDRAFSRSDHLALHMKRHF

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

76.5

Interspecies Antigen Sequence

Mouse (89); Rat (90)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — KLF4

Entrez GeneID	9314
GeneBank Accession#	NM_004235.3
Protein Accession#	NP_004226.2
Gene Name	KLF4
Gene Alias	EZF, GKLF
Gene Description	Kruppel-like factor 4 (gut)
Omim ID	602253
Gene Ontology	Hyperlink
Other Designations	OTTHUMP00000021862 endothelial Kruppel-like zinc finger protein

Publication Reference

- [Delivery of reprogramming factors into fibroblasts for generation of non-genetic induced pluripotent stem cells using a cationic bolaamphiphile as a non-viral vector.](#)

Khan M, Narayanan K, Lu H, Choo Y, Du C, Wiradharma N, Yang YY, Wan AC.

Biomaterials 2013 Jul; 34(21):5336.

Application: Func, Human, Foreskin fibroblasts

- [DLK2 is a transcriptional target of KLF4 in the early stages of adipogenesis.](#)

Rivero S, Díaz-Guerra MJ, Monsalve EM, Laborda J, García-Ramírez JJ.

Journal of Molecular Biology 2012 Mar; 417(1-2):36.

Application: EMSA, Mouse, 3T3-L1 cells

Disease

- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)