

Product datasheet for PH306691

KLF4 (NM_004235) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	KLF4 MS Standard C13 and N15-labeled recombinant protein (NP_004226)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206691
Predicted MW:	49.9 kDa
Protein Sequence:	>RC206691 representing NM_004235 Red=Cloning site Green=Tags(s)

MAVSDALLPSFSTFASGPAGREKTLRQAGAPNNRWREELSHMKRLPPVLPGRPYDLAAATVATDLESGGA
GAACGGSNLAPLPRRETEEFNDLLDLDFILSNLTHPPEVAATVSSASASSSSSPSSSGPASAPSTCS
FTYPIRAGNDPGVAPGGTGGLLYGRESAPPPTAPFNADINDVSPSGGFVAELLRPELDPVYIPQQPQ
PPGGGLMGKFLKASLSAPGSEYGSPSIVSVKSGSPDGSHPVVAPYNGGPPRTCPKIKQEAVSSCTHLG
AGPPLSNGHRPAAHDFPLGRQLPSRTTPTLGLLEVLSSRDCHPALPLPGFHPHPGPNYPSFLPDQMOPQ
VPPLHYQELMPPGSCMPEEPKPKRGRRSWPRKRTATHTCDYAGCGKTYTKSSHLKAHLRTHTGEKPYHCD
WDGCGWKFARSDELTRHYRKHTGHRPFQCQKCDRAFSRSDHLALHMKRHF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_004226</u>
RefSeq Size:	2639
RefSeq ORF:	1410
Synonyms:	EZF; GKLF



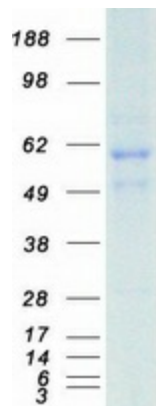
[View online »](#)

Locus ID: 9314
UniProt ID: [O43474](#)
Cytogenetics: 9q31.2

Summary: This gene encodes a protein that belongs to the Kruppel family of transcription factors. The encoded zinc finger protein is required for normal development of the barrier function of skin. The encoded protein is thought to control the G1-to-S transition of the cell cycle following DNA damage by mediating the tumor suppressor gene p53. Mice lacking this gene have a normal appearance but lose weight rapidly, and die shortly after birth due to fluid evaporation resulting from compromised epidermal barrier function. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2015]

Protein Families: Adult stem cells, Embryonic stem cells, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Transcription Factors

Product images:



Coomassie blue staining of purified KLF4 protein (Cat# [TP306691]). The protein was produced from HEK293T cells transfected with KLF4 cDNA clone (Cat# [RC206691]) using MegaTran 2.0 (Cat# [TT210002]).