

Product datasheet for TP526854

Klf4 (NM_010637) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse Kruppel-like factor 4 (gut) (Klf4), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR226854 representing NM_010637 Red=Cloning site Green=Tags(s)

MAVSDALLPSFSTFASGPAGREKTLRPAGAPTNRWREELSHMKRLPPLPGRPYDLAATVATDLESGGAGA
ACSSNNPALLARRETEEFNDLLDLDFILSNLTHQESVAATVTTASASSSSSPASSGPASAPSTCSFSY
PIRAGGDPGVAASNTGGGLLYSRESAPPPTAPFNLADINDVSPSGGFVAELLRPELDPVYIPQPPQPPG
GGLMGKFVLKASLTTPGSEYSSPSVISVSKGSPDGSHPVVAPYSGGPPRMCPKIKQEAVPSCVSRSL
AHL SAGPQLSNGHRPNTHDFPLGRQLPTRTPTLSPELLNSRDCHPGLPLPPGFHPHPGNYPFLPDQ
MQSQVPSLHYQELMPPGSCLPPEPKPKRGRRSWPRKRTATHTCDYAGCGKTYTKSSHLKAHLRTHTEGKP
YHCDWDGCGWKFARSDDELTRHYRKHTGHRPFQCQKCDRAFSRSDHLALHMKRHF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	52.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_034767
Locus ID:	16600



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UniProt ID: [Q60793](#), [F2YID5](#)

RefSeq Size: 3057

Cytogenetics: 4 29.76 cM

RefSeq ORF: 1422

Synonyms: EZF; Gklf; Zie

Summary: Transcription factor; can act both as activator and as repressor. Binds the 5'-CACCC-3' core sequence. Binds to the promoter region of its own gene and can activate its own transcription. Regulates the expression of key transcription factors during embryonic development. Plays an important role in maintaining embryonic stem cells, and in preventing their differentiation. Required for establishing the barrier function of the skin and for postnatal maturation and maintenance of the ocular surface. Involved in the differentiation of epithelial cells and may also function in skeletal and kidney development. Contributes to the down-regulation of p53/TP53 transcription (By similarity).[UniProtKB/Swiss-Prot Function]