

Product datasheet for **AR51829PU-S**

KLF4 (11-395, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	KLF4 (11-395, His-tag) human protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMVA S DALLPSFSTF ASGPAGREKT LRQAGAPNNR WREELSHMKR LPPVLPGRPY DLAAATVATD LESGGAGAAC GGSNLAPLPR RETEEFNLL DLDFILSNL THPPESVAAT VSSASASSS SSPSSSGPAS APSTCSFTYP IRAGNDPGVA PGGTGGGLLY GRESAPPPTA PFNLADINDV SPSGGFVAEL LRPELDPVYI PPQQPPGG GLMGKVLKA SLSAPGSEYG SPSVISVSKG SPDGSHPVVW APYNGGPPRT CPKIKQEAVS SCTHLGAGPP LSNHRPAAH DFPLGRQLPS RTTPTLGL EE VLSSRDCHPA LPLPPGFHPH PGPNYPSFLP DQMOPQVPPL HYQELMPPGS CMPEEPKPKR GRRSWPRKRT AT
Tag:	His-tag
Predicted MW:	44.2 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: This purified protein is available in a denatured form, making it less suitable for functional studies. Denatured proteins are better suited for applications like Western Blot (WB) or imaging assays. State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol.
Preparation:	Liquid purified protein
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001300981
Locus ID:	9314
UniProt ID:	O43474
Cytogenetics:	9q31.2



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Synonyms: EZF, GKL

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:

