

## Product datasheet for **AR51829PU-S**

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

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	KLF4 (11-395, His-tag) human protein, 0.1 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMVA S DALLPSFSTF ASGPAGREKT LRQAGAPNNR WREELSHMKR LPPVLPGRPY DLAAATVATD LESGGAGAAC GGSNLAPLPR RETEEFNDLL DLDFILSNL THPPESVAAT VSSASASSS SSPSSSGPAS APSTCSFTYP IRAGNDPGVA PGGTGGGLLY GRESAPPPTA PFNLADINDV SPSGGFVAEL LRPELDPVYI PPQQPQPPGG GLMGKFLKA SLSAPGSEYG SPSVISVSKG SPDGSHPVVW APYNGGPPRT CPKIKQEAVS SCTHLGAGPP LSNHRPAAH DFPLGRQLPS RTTPTLGL EE VLSSRDCHPA LPLPPGFHPH PGPNYPSFLP DQMQPQVPPL HYQELMPPGS CMPEEPKPKR GRRSWPRKRT AT
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	44.2 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>85% by SDS - PAGE
<b>Buffer:</b>	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol.
<b>Preparation:</b>	Liquid purified protein
<b>Storage:</b>	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.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<a href="#">NP_001300981</a>
<b>Locus ID:</b>	9314
<b>UniProt ID:</b>	<a href="#">O43474</a>
<b>Cytogenetics:</b>	9q31.2
<b>Synonyms:</b>	EZF; GKLF



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**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:**