

## Product datasheet for **AR50411PU-N**

### FUBP1 (279-448, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	FUBP1 (279-448, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMDVPIP RFAVGIVIGR NGEMIKKIQN DAGVRIQFKP DDGTTPERIA QITGPPDRCQ HAAEIITDLL RSVQAGNPGG PGPGRGRGR GQGNWNMGPP GGLQEFNFIV PTGKTGLIIG KGGETIKSIS QQSGARIELQ RNPPNADPN MKLFTIRGTP QQIDYARQLI EEKIG
Tag:	His-tag
Predicted MW:	20.8 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.15M NaCl, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human FUBP1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
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:	<a href="#">NP_001290362</a>
Locus ID:	8880
UniProt ID:	<a href="#">Q96AE4</a> , <a href="#">B4DT31</a>
Cytogenetics:	1p31.1
Synonyms:	FBP; FUBP; hDH V



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**Summary:**

The protein encoded by this gene is a single stranded DNA-binding protein that binds to multiple DNA elements, including the far upstream element (FUSE) located upstream of c-myc. Binding to FUSE occurs on the non-coding strand, and is important to the regulation of c-myc in undifferentiated cells. This protein contains three domains, an amphipathic helix N-terminal domain, a DNA-binding central domain, and a C-terminal transactivation domain that contains three tyrosine-rich motifs. The N-terminal domain is thought to repress the activity of the C-terminal domain. This protein is also thought to bind RNA, and contains 3'-5' helicase activity with in vitro activity on both DNA-DNA and RNA-RNA duplexes. Aberrant expression of this gene has been found in malignant tissues, and this gene is important to neural system and lung development. Binding of this protein to viral RNA is thought to play a role in several viral diseases, including hepatitis C and hand, foot and mouth disease. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014]

**Protein Families:**

Stem cell - Pluripotency, Transcription Factors

**Product images:**