# Recombinant Human FUBP1 Protein, His-tagged

**Cat. No.** FUBP1-1529H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human FUBP1 Protein (Ala2-Asn228) with N-His tag was expressed in E. coli. |
| **Species** | Human |
| **Source** | E.coli |
| **ProteinLength** | Ala2-Asn228 |
| **Description** | 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. |
| **Form** | Freeze-dried powder |

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| **Molecular Mass** | Predicted Molecular Mass: 27.1 kDa<br>Accurate Molecular Mass: 30 kDa |
| **Purity** | > 90% |
| **Applications** | Positive Control; Immunogen; SDS-PAGE; WB. |
| **Stability** | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| **Storage** | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months. |
| **Storage Buffer** | 100mM NaHCO3, 500mM NaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300. |
| **Reconstitution** | Reconstitute in 100mM NaHCO3, 500mM NaCl (pH8.3) to a concentration of 0.1-1.0 mg/mL. Do not vortex. |

## GENE INFORMATION

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| **Gene Name** | FUBP1 far upstream element (FUSE) binding protein 1 [ Homo sapiens (human) ] |
| **Official Symbol** | FUBP1 |
| **Synonyms** | FUBP1; far upstream element (FUSE) binding protein 1; FUBP; far upstream element-binding protein 1; FBP; hDH V; DNA helicase V; FUSE-binding protein 1; far upstream element binding protein; |

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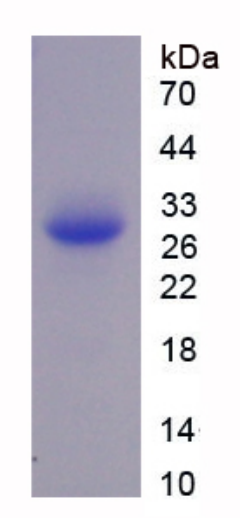
| **Gene ID** | 8880 |
| **mRNA Refseq** | NM_003902 |
| **Protein Refseq** | NP_003893 |
| **MIM** | 603444 |
| **UniProt ID** | Q96AE4 |

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