

## Recombinant Human FUBP1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. FUBP1-5104H Lot. No. (See product label)

### SPECIFICATION

#### Product Overview

FUBP1 MS Standard C13 and N15-labeled recombinant protein (NP\_003893) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

#### Species

Human

#### Source

HEK293

#### 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.

#### Molecular Mass

67.4 kDa

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**AA Sequence**

MADYSTVPPPSSGSAGGGGGGGGGGGVNDAFKDALQRRARQIAAKIGGDAGTSLNS  
 NDYGYGGQKRPLEDGDQPDAAKQVAPQNSFGTQLPPMHQQQSR SVMTEEYKVPD  
 GMVGFIIIRGGEQISRIQQESGCKIQIAPDSGGLPERSCMLTGTPEVQSARLLDQI  
 VEKGRPAPGFHHGDGPGNAVQEIMIPASKAGLVIGKGETIKQLQERAGVKMVMIQ  
 DGPQNTGADKPLRITGDPYKVQQAEMVLELIRDQGGFREV RNEYGSRIGGNEGID  
 VPIPRFAVGIVIRNGEMIKKIQNDAGVRIQFKPDDGTTPERIAQITGPPDRCQHAAEII  
 TDLLRSVQAGNPGGPGPGGRGRGRGQGNWNMGPPGGLQEFNFIVPTGKTGLIIGK  
 GGETIKSISQQSGARIELQRNPPPNADPNMKLFTIRGTPQQIDYARQLIEEKIGGPVN  
 PLGPPVPHGPHGVPGPHGPPGPPGPGTGMGPYNPAPYNGPPGPAPHGPPAPYA  
 PQGWGNAYPHWQQQAPPDPAKAGTDPNSAAWAAYYAHYYQQQAQPPPAAPAGA  
 PTTTQTNGQGDQQNPAPAGQVDYTKAWEEYYKMGQAVPAPTGAPPGGQPDYSA  
 AWAEYYRQQAAYYAQTSPQGMPQHPPAPQGQTRTRPLEQKLISEEDLAANDILDYK  
 DDDDKV

**Purity**

> 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability**

Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage**

Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration**

50 µg/mL as determined by BCA

**Storage Buffer**

100 mM glycine, 25 mM Tris-HCl, pH 7.3.

**GENE INFORMATION**

**Gene Name**

FUBP1 far upstream element binding protein 1 [ Homo sapiens (human) ]

**Official Symbol**

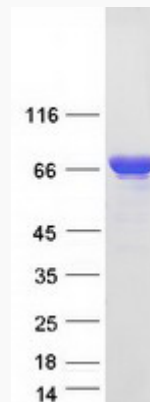
FUBP1

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<b>Synonyms</b>	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;
<b>Gene ID</b>	8880
<b>mRNA Refseq</b>	NM_003902
<b>Protein Refseq</b>	NP_003893
<b>MIM</b>	603444
<b>UniProt ID</b>	Q96AE4

**SDS-PAGE**

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