

Recombinant Full Length Human FUBP1 Protein, GST-tagged

Cat. No. FUBP1-612HF Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant full length Human FUBP1(1 a.a. - 653 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.

Species Human

Source In Vitro Cell Free System

ProteinLength 653 amino acids

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 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Molecular Mass	97.35 kDa
AA Sequence	<p>MADYSTVPPP SSGSAGGGGG GGGGGGVNDA FKDALQRARQ IAAKIGGDAG TSLNSNDYGY GGQKRPLEDG DQPDAAKVP QNDSFGTQLP PMHQQQRSVM TEEYKVPDGM VGFIIGRGGE QISRQQESG CKIQIAPDSG GLPERSCMLT GTPESVQSAK RLLDQIVEKG RPAPGFHHGD GPGNAVQEIM IPASKAGLVI GKGGETIKQL QERAGVKMVM IQDGPQNTGA DKPLRITGDP YKVQQAKEMV LELIRDQGGF REVRNEYGSR IGGNEGIDVP IPRFAVGIVI GRNGEMIKKI QNDAGVRIQF KPDDGTTPER IAQITGPPDR CQHAAEIITD LLRSVQAGNP GGPGPGGRGR GRGQGNWNMG PPGGLQEFNF IVPTGKTGLI IGKGGETIKS ISQQSGARIE LQRNPPPNAD PNMKLFITRG TPQQIDYARQ LIEEKIGGPV NPLGPPVPHG PHGVPGPHGP PGPPGPGTPM GPYNPAPYNP GPPGPAPHGP PAPYAPQGWG NAYPHWQQQA PPDPAKAGTD PNSAAWAAYY AHYYQQQAQP PPAAPAGAPT TTQTNGQGQDQ QNPAPAGQVD YTKAWEEYYK KMGQAVPAPT GAPPGGQPDY SAAWAEYYRQ QAAYYAQTSP QGMPQHPPAP QCRFPASIE LAL</p>
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
GENE INFORMATION	
Gene Name	FUBP1 far upstream element (FUSE) binding protein 1 [Homo sapiens]
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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