

FUBP1 Protein, Human (HEK293, C-His)

Cat. No.:	HY-P701179
Synonyms:	FBP; FUBP; hDH V
Species:	Human
Source:	HEK293
Accession:	Q96AE4-1 (M1-Q644)
Gene ID:	8880
Molecular Weight:	Approximately 95 kDa

PROPERTIES

AA Sequence

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MADYSTVPPP      SSGSAGGGGG      GGGGGGVNDA      FKDALQRARQ
IAAKIGGDAG      TSLNSNDYGY      GGQKRPLEDG      DQPDAKKVAP
QNDSFGTQLP      PMHQQQSRSV      MTEEYKVPDG      MVGFIIGRGG
EQISRIQQES      GCKIQIAPDS      GGLPERSCML      TGTPEVQSA
KRLLDQIVEK      GRPAPGFHHG      DPGNAVQEI      MIPASKAGLV
IGKGGETIKQ      LQERAGVKMV      MIQDGPQNTG      ADKPLRITGD
PYKVQQAQKEM     VLELIRDQGG      FREVRNEYGS      RIGGNEGIDV
PIPRFAVGIV      IGRNGEMIKK      IQNDAGVRIQ      FKPDDGTTPE
RIAQITGPPD      RCQHAAEIIIT     DLLRSVQAGN      PGGPGPGGRG
RGRGQGNWNM      GPPGGLQEFN      FIVPTGKTGL     IIGKGGETIK
SISQQSGARI      ELQRNPPPN      DPNMKLFTIR     GTPQQIDYAR
QLIEEKIGGP      VNPLGPPVPH     GPHGVPGPHG     PPGPPGPGTP
MGPYNPAPYN      PGGPPGAPHG     PPAPYAPQGW     GNAYPHWQQQ
APPDPAKAGT      DPNSAAWAAY     YAHYYQQQAQ     PPPAAPAGAP
TTTQTNGQGD      QQNPAPAGQV     DYTKAWEEYY     KKMGGQAVPAP
TGAPPGGQPD      YSAAWAEEYYR     QQAAYYAQTS     PQGMPQHPPA
PQQQ
  
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Appearance Lyophilized powder

Formulation Lyophilized from sterile 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol or PBS, pH 7.4 or PBS, pH 7.4.

Endotoxin Level <1 EU/μg, determined by LAL method.

Reconstitution It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH₂O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).

Storage & Stability Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.

Shipping Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background

FUBP1 protein functions as a key regulator of MYC expression, exerting its control by binding to the single-stranded far-upstream element (FUSE) located upstream of the MYC promoter. Its role in transcriptional regulation is dynamic, as it can act both as an activator and repressor of gene expression. FUBP1 forms a complex with PUF60, and this complex is associated with the far upstream element (FUSE) DNA segment, suggesting its involvement in intricate molecular processes. Moreover, FUBP1 interacts with PUF60 and JTV1, indicating potential cooperative actions in the modulation of gene expression.

Caution: Product has not been fully validated for medical applications. For research use only.

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