

Recombinant Human hnRNP D/AUF1 protein ab152450

1 图像

描述

产品名称	重组人hnRNP D/AUF1蛋白	
表达系统	Wheat germ	
Accession	<u>Q14103</u>	
蛋白长度	Full length protein	
无动物成分	No	
性质	Recombinant	
种属	Human	
序列		<pre> MSEEQFGGDGAAAAATAAVGGSAGEQEGAMVAATQGAAAAG SGAGTGGG TASGGTEGGSAAESEGAIDASKNEEDEGHSNSSPRHSEAATA QREWKMF IGGLSWDTTKDLKDYFSKFGEVVDCTLKLDPITGRSRGFGF VLFKESES VDKVMQKEHKLNGKVIDPKRAKAMKTKEPVKKIFVGGGLSPD TPEEKIRE YFGGFGEVESIELPMDNKTNKRRGFCFITFKEEEPVKKIMEK KYHNVGLS KCEIKVAMSKEQYQQQQWGSRRGFAGRARGRGGGSPQWNQ GYSNYWNQ GYGNYGYNQGYGGYGGYDYGYNYYGYGDYSNQSGYGKV SRRGGHQNSYKPY </pre>
预测分子量	65 kDa including tags	
氨基酸	1 to 355	
标签	GST tag N-Terminus	

技术指标

Our **Abpromise guarantee** covers the use of **ab152450** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	SDS-PAGE
	Western blot
	ELISA

形式 Liquid

补充说明

制备和贮存

稳定性和存储

Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

pH: 8.00

Constituents: 0.31% Glutathione, 0.79% Tris HCl

常规信息

功能

Binds with high affinity to RNA molecules that contain AU-rich elements (AREs) found within the 3'-UTR of many proto-oncogenes and cytokine mRNAs. Also binds to double- and single-stranded DNA sequences in a specific manner and functions as a transcription factor. Each of the RNA-binding domains specifically can bind solely to a single-stranded non-monotonous 5'-UUAGG-3' sequence and also weaker to the single-stranded 5'-TTAGGG-3' telomeric DNA repeat. Binds RNA oligonucleotides with 5'-UUAGGG-3' repeats more tightly than the telomeric single-stranded DNA 5'-TTAGGG-3' repeats. Binding of RRM1 to DNA inhibits the formation of DNA quadruplex structure which may play a role in telomere elongation. May be involved in translationally coupled mRNA turnover. Implicated with other RNA-binding proteins in the cytoplasmic deadenylation/translational and decay interplay of the FOS mRNA mediated by the major coding-region determinant of instability (mCRD) domain.

序列相似性

Contains 2 RRM (RNA recognition motif) domains.

翻译后修饰

Arg-345 is dimethylated, probably to asymmetric dimethylarginine.

Methylated by PRMT1, in an insulin-dependent manner. The PRMT1-mediated methylation regulates tyrosine phosphorylation.

细胞定位

Nucleus. Cytoplasm. Localized in cytoplasmic mRNP granules containing untranslated mRNAs. Component of ribonucleosomes.

图片



12.5% SDS-PAGE gel analysis of ab152450 stained with Coomassie Blue

SDS-PAGE - Recombinant Human hnRNP D/AUF1 protein (ab152450)

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