# abcam

# Product datasheet

# 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 Q14103

**蛋白长度** Full length protein

无动物成分 No

性质 Recombinant

**种属** Human

序列 MSEEQFGGDGAAAAATAAVGGSAGEQEGAMVAATQGAAAAAG

**SGAGTGGG** 

TASGGTEGGSAESEGAKIDASKNEEDEGHSNSSPRHSEAATA

**QREEWKMF** 

 ${\tt IGGLSWDTTKKDLKDYFSKFGEVVDCTLKLDPITGRSRGFGF}$ 

**VLFKESES** 

VDKVMDQKEHKLNGKVIDPKRAKAMKTKEPVKKIFVGGLSPD

**TPEEKIRE** 

YFGGFGEVESIELPMDNKTNKRRGFCFITFKEEEPVKKIMEK

**KYHNVGLS** 

KCEIKVAMSKEQYQQQQWGSRGGFAGRARGRGGGPSQNWNQ

**GYSNYWNQ** 

GYGNYGYNSQGYGGYGGYDYTGYNNYYGYGDYSNQQSGYGKV

SRRGGHQN SYKPY

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** 

1

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℃. Avoid freeze / thaw cycles.

pH: 8.00

Constituents: 0.31% Glutathione, 0.79% Tris HCI

#### 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 a transcription factor. Each of the RNA-binding domains specifically can bind solely to a single-stranded non-monotonous 5'-UUAG-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

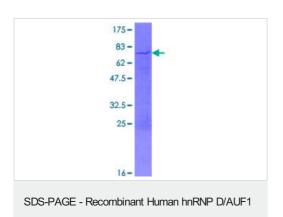
regulates tyrosine phosphorylation.

细胞定位 Nucleus. Cytoplasm. Localized in cytoplasmic mRNP granules containing untranslated mRNAs.

Component of ribonucleosomes.

#### 图片

protein (ab152450)



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

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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