

Product datasheet

Recombinant Human hnRNP C1 + C2 protein ab104668

1 图像

概述

产品名称	重组人hnRNP C1 + C2蛋白
蛋白长度	Full length protein

描述

性质	Recombinant
来源	Escherichia coli

氨基酸序列

Accession [P07910](#)

种属 Human

序列 **MGSSHHHHHSSGLVPRGSHMASNVTNKTDPRSMNSRVFIGNLNTLVVKK**
SDVEAIFSKYGKIVGCSVHKGFVQYVNERNARA AVAGEDGRMIAGQVL
DINLAAEPKVN RGKAGVKRSAAEMYGSSFDLDYDFQRDYYDRMYSYPARV
PPPPPIARAVVPSKRQRVSGNTSRRGKSGFNSKSGQRGSSKSGKLGDDL
QAIKKELTQIKQKVD S LLENLEKIEKEQSKQAVEMKNDKSEEEQSSSVK
KDETNVKMESEGGADDSAEEGDLLDDDDNEDRGDDQLELIKDDEKEAEEG
EDDRDSANGEDDS

分子量 35 kDa including tags

氨基酸 1 to 293

标签 His tag N-Terminus

技术指标

Our [Abpromise guarantee](#) covers the use of **ab104668** 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
	Mass Spectrometry

质谱法 MALDI-TOF

纯度 > 85 % SDS-PAGE.
ab104668 is purified by using anion-exchange chromatography (DEAE sepharose resin) and gel-filtration chromatography (Sephacryl S-200) with 20mM Tris pH 7.5, 2mM EDTA.

形式 Liquid

制备和贮存

稳定性和存储

Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

pH: 8.00

Constituents: 0.077% DTT, 0.316% Tris HCl, 30% Glycerol, 1.16% Sodium chloride

常规信息

功能

Binds pre-mRNA and nucleates the assembly of 40S hnRNP particles (PubMed:8264621). Specifically recognizes and binds N6-methyladenosine (m6A)-containing RNAs, a modification present at internal sites of mRNAs that affects mRNA splicing, processing and stability. M6A alters the local structure in mRNAs and long non-coding RNAs (lncRNAs) via a mechanism named 'm(6)A-switch' to facilitate binding of HNRNPC, leading to regulation of mRNA splicing (PubMed:25719671). Single HNRNPC tetramers bind 230-240 nucleotides. Trimers of HNRNPC tetramers bind 700 nucleotides. May play a role in the early steps of spliceosome assembly and pre-mRNA splicing. Interacts with poly-U tracts in the 3'-UTR or 5'-UTR of mRNA and modulates the stability and the level of translation of bound mRNA molecules (PubMed:12509468, PubMed:16010978, PubMed:7567451, PubMed:8264621).

序列相似性

Belongs to the RRM HNRPC family. RALY subfamily.

Contains 1 RRM (RNA recognition motif) domain.

翻译后修饰

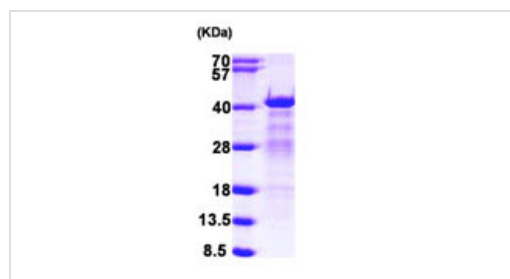
Phosphorylated on Ser-260 and Ser-299 in resting cells. Phosphorylated on Ser-253 and on 1 serine residue in the poly-Ser stretch at position 238 in response to hydrogen peroxide.

Sumoylated. Sumoylation reduces affinity for mRNA.

细胞定位

Nucleus. Component of ribonucleosomes.

图片



SDS-PAGE - Recombinant Human hnRNP C1 + C2 protein (ab104668)

15% SDS-PAGE showing ab104668 at approximately 34.5kDa (3µg).

Note: Real molecular weight on SDS-PAGE is shifted up compared to predicted molecular weight.

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