

# Recombinant Human hnRNP C1/C2 protein ab104668

### 1 图像

#### 描述

产品名称	重组人hnRNP C1/C2蛋白
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.
表达系统	Escherichia coli
Accession	<b><u>P07910</u></b>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	<p><b>MGSSHHHHHSSGLVPRGSHMASNVTNKTDPRSMNSRVFI</b>  <b>GNLNTLVVKK</b>  <b>SDVEAIFSKYGKIVGCSVHKGFVQYVNERNARA AVAGEDG</b>  <b>RMIAGQVL</b>  <b>DINLAAEPKVN RGKAGVKRSAAEMYGSSFDLDYDFQRDYDR</b>  <b>MYSYPARV</b>  <b>PPPPPIARAVVPSKRQRVSGNTSRRGKSGFNSKSGQRGSSKS</b>  <b>GKLLGDDL</b>  <b>QAIKKELTQIKQVDSLLENLEKIEKEQSKQAVEMKNDKSEE</b>  <b>EQSSSSVK</b>  <b>KDETNVKMESEGGADDSAEEGDLLDDDDNEDRGDDQLELIKD</b>  <b>DEKEAEEG EDDRDSANGEDDS</b></p>
预测分子量	35 kDa including tags
氨基酸	1 to 293
标签	His tag N-Terminus
描述	重组人hnRNP C1 + C2/HNRNPC蛋白

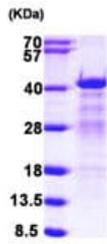
#### 技术指标

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
<b>质谱法</b>	MALDI-TOF
<b>形式</b>	Liquid
<b>补充说明</b>	This product was previously labelled as hnRNP C1 + C2
<b>制备和贮存</b>	
<b>稳定性和存储</b>	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 (glycerin, glycerine), 1.16% Sodium chloride
<b>常规信息</b>	
<b>功能</b>	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).
<b>序列相似性</b>	Belongs to the RRM HNRPC family. RALY subfamily. Contains 1 RRM (RNA recognition motif) domain.
<b>翻译后修饰</b>	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.
<b>细胞定位</b>	Nucleus. Component of ribonucleosomes.
<b>图片</b>	



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.

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

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