

# Recombinant human HNRNPC protein

Catalog Number: ATGP0965

## PRODUCT INFORMATION

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**Expression system**

E.coli

**Domain**

1-293aa

**UniProt No.**

P07910

**NCBI Accession No.**

NP\_004491

**Alternative Names**

Heterogeneous nuclear ribonucleoprotein C (C1/C2), C1, C2, HNRNP, HNRPC, SNRPC

## PRODUCT SPECIFICATION

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**Molecular Weight**

34.5 kDa (313aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

**Concentration**

0.25mg/ml (determined by Bradford assay)

**Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 5mM DTT, 30% glycerol

**Purity**

&gt; 85% by SDS-PAGE

**Tag**

His-Tag

**Application**

SDS-PAGE

**Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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**Description**

HNRNPC, also known as hnRNP C1/C2, belongs to the subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). These proteins are associated with pre mRNAs in the nucleus and appear to influence pre mRNA processing and other aspects of mRNA metabolism and transport. While all of the hnRNPs are present in the nucleus, some seem to shuttle between the nucleus and the cytoplasm. The hnRNP proteins have distinct nucleic acid binding properties. Recombinant human HNRNPC protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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## Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MASNVTNKTD PRSMNSRVFI GNLNTLVVKK SDVEAIFSKY GKIVGCSVHK GFAFVQYVNE  
RNARA AVAGE DGRMIAGQVL DINLAAEPKV NRGKAGVKRS AAEMYGSSFD LDYDFQRDYY DRMYSYPARV PPPPIARAV  
VPSKRQRVSG NTSRRGKSGF NSKSGQRGSS KSGKLGDDL QAIKKELTQI KQKVDLLEN LEKIEKEQSK QAVEMKNDKS  
EEEQSSSSVK KDETNVKMES EGGADDSAE E GLLDDDDNE DRGDDQLELI KDDEKEAEEG EDDRDSANGE DDS

## General References

Hayakawa H., et al. (2010) Biochem Biophys Res Commun. 403(2):220-4.  
Stone JR., et al. (2002) J Biol Chem. 277(18):15621-8.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)