Recombinant human HNRNPC protein

Catalog Number: ATGP0965

PRODUCT INFORMATION

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

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
> 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

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

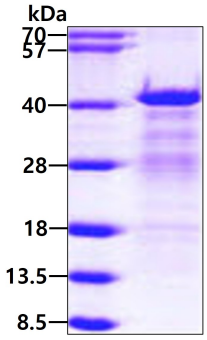
<MGSSHHHHHH SSGLVPRGSH> MASNVTNKTD PRSMNSRVFI GNLNTLVVKK SDVEAIFSKY GKIVGCSVHK GFAFVQYVNE RNARAAVAGE DGRMIAGQVL DINLAAEPKV NRGKAGVKRS AAEMYGSSFD LDYDFQRDYY DRMYSYPARV PPPPPIARAV VPSKRQRVSG NTSRRGKSGF NSKSGQRGSS KSGKLKGDDL QAIKKELTQI KQKVDSLLEN LEKIEKEQSK QAVEMKNDKS EEEQSSSSVK KDETNVKMES EGGADDSAEE GDLLDDDDNE 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.