Recombinant human HNRNPK protein

Catalog Number: ATGP2190

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-276aa

UniProt No.
P61978

NCBI Accession No.
NP_002131

Alternative Names
Heterogeneous nuclear ribonucleoprotein K isoform a, CSBP, HNRPK, TuNP

PRODUCT SPECIFICATION

Molecular Weight
33 kDa (299aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT

Purity
> 95% 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
HNRNPK belongs to the subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are RNA binding proteins and they complex with heterogeneous nuclear RNA (hnRNA). 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. HNRNPK is located in the nucleoplasm and has three repeats of KH domains that binds to RNAs.

Recombinant human HNRNPK protein

Catalog Number: ATGP2190

Recombinant human HNRNPK protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

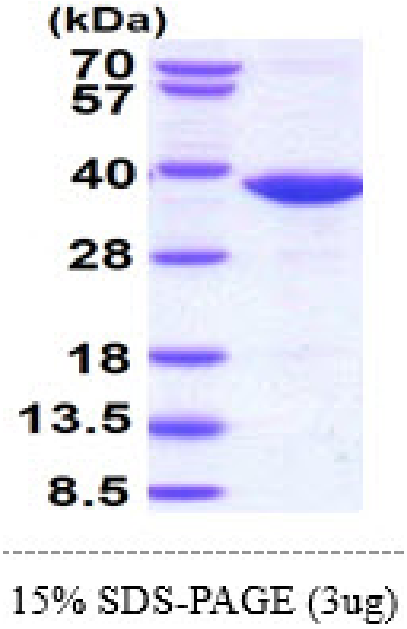
MGSSHHHHHH SSGLVPRGSH MGSMETEQPE ETFPNTETNG EFGKRPAEDM EEEQAFKRSR NTDEMVELRI LLQSKNAGAV IGKGGKNIKA LRTDYNASVS VPDSSGPERI LSISADIETI GEILKKIIPT LEEGLQLPSP TATSQLPLES DAVECLNYQH YKGSDFDCEL RLLIHQSLAG GIIGVKGAKI KELRENTQTT IKLFQECCPH STDRVVLIGG KPDRVVECIK IILDLISESP IKGRAQPYDP NFYDETYDYG GFTMMFDDRR GRPVGFPMRG RGGFDRMPPG RGGRPMPPS

General References

Shnyreva M, Schullery DS, et al. (2000). J Biol Chem. 275(20):15498-503.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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