PRODUCT INFORMATION

Expression system E.coli

Domain 1-320aa

UniProt No. P09651

NCBI Accession No. NP_002127.1

Alternative Names

Heterogeneous nuclear ribonucleoprotein A1, hnRNP A1, hnRNP-A1, HNRPA1, HNRPA1L3

PRODUCT SPECIFICATION

Molecular Weight 36.6 kDa (343aa) confirmed by MALDI-TOF

Concentration 0.5mg/ml (determined by Bradford assay)

Formulation Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 40% glycerol, 0.15M NaCl, 1mM DTT

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

HNRNPA1, also known as heterogeneous nuclear ribonucleoprotein A1, involved in the packaging of pre-mRNA into hnRNP particles, transport of poly (A) mRNA from the nucleus to the cytoplasm and may modulate splice site selection. This protein may play a role in HCV RNA replication. Recombinant human HNRNPA1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>MSKSESP KEPEQLRKLF IGGLSFETTD ESLRSHFEQW GTLTDCVVMR



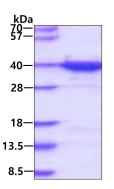
DPNTKRSRGF GFVTYATVEE VDAAMNARPH KVDGRVVEPK RAVSREDSQR PGAHLTVKKI FVGGIKEDTE EHHLRDYFEQ YGKIEVIEIM TDRGSGKKRG FAFVTFDDHD SVDKIVIQKY HTVNGHNCEV RKALSKQEMA SASSSQRGRS GSGNFGGGRG GGFGGNDNFG RGGNFSGRGG FGGSRGGGGY GGSGDGYNGF GNDGSNFGGG GSYNDFGNYN NQSSNFGPMK GGNFGGRSSG PYGGGGQYFA KPRNQGGYGG SSSSSSYGSG RRF

General References

Kim C.S., et al. (2007) J. Virol. 81:3852-3865 Biamonti G., et al. (1989) J. Mol. Biol. 207:491-503

DATA

SDS-PAGE



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