

HNRNPK, 1-276aa, Human, His tag, E.coli

Cat.NO.: TP02481

3th Edition

Synonyms: Heterogeneous nuclear ribonucleoprotein K isoform a, CSBP, HNRPK, TUNP

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

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

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

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMETEQPEETFPNTETNGEFGKRPAEDMEEEQAFKRSRNTDEMVELRILLQS
KNAGAVIGKGGKNIKALRTDYNASVSPDSSGPERILSISADIETIGEILKKIPTLEEGQLPSPTATSQLPLESDAVEC
LNYQHYKGSDFDCELRLLIHQSLAGGIIGVKGAKIKELRENTQTTIKLFQECCPHSTDRVVLIGGKPDVVVECIKILDLI
SESPIKGRAQPYDPNFYDETYDYGGFTMMFDDRRGRPVGFPMRGRGGFDRMPPGRGGRPMPPS

Purity: > 95% by HPLC

Concentration: 1 mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.