

Recombinant Human heterogeneous nuclear ribonucleoprotein K, His-tagged

Cat. No. HNRNPK-236H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HNRNPK, 1-276aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-276 a.a.
Description	<p>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.</p>
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT.
Molecular Mass	33 kDa (299aa), confirmed by MALDI-TOF

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AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMETEQPE ETFPNTETNG EFGKRPAEDM EEEQAFKRSR NTDEMVELRI LLQSKNAGAV IGKGGKNIKA LRTDYNASVS VPDSSGPERI LSISADIETI GEILKKIPT LEEGLQLPSP TATSQPLES DAVECLNYQH YKGSDFDCEL RLLIHQSLAG GIIGVKGAKI KELRENTQTT IKLFQECCPH STDRVVLIGG KPDRVVECIK IILDISESP IKGRAQPYDP NFYDETYDYG GFTMMFDDRR GRPVGFPMRG RGGFDRMPPG RGGRPMPPS
Purity	>95% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	HNRNPK heterogeneous nuclear ribonucleoprotein K [Homo sapiens]
Official Symbol	HNRNPK
Synonyms	HNRNPK; heterogeneous nuclear ribonucleoprotein K; HNRPK; CSBP; transformation upregulated nuclear protein; TUNP; dC-stretch binding protein; FLJ41122;
Gene ID	3190
mRNA Refseq	NM_002140
Protein Refseq	NP_002131
MIM	600712

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UniProt ID	P61978
Chromosome Location	9q21.32-q21.33
Pathway	B Cell Receptor Signaling Pathway, organism-specific biosystem; Gene Expression, organism-specific biosystem; Herpes simplex infection, organism-specific biosystem; Herpes simplex infection, conserved biosystem; Processing of Capped Intron-Containing Pre-mRNA, organism-specific biosystem; Spliceosome, organism-specific biosystem; Spliceosome, conserved biosystem;
Function	DNA binding; RNA binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in positive regulation of transcr