



# Recombinant Human Heterogeneous nuclear ribonucleoprotein K (HNRNPK), partial

<b>Product Code</b>	CSB-EP010611HU-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P61978
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	TEQPEETFPNTEETNGEFGKRPAEDMEEEQAFKRSRNTDEMVELRILLQSKNA GAVIGKGGKNIKALRTDYNASVSVDPSSGPERILSISADIETIGEILKKIIPBLEEG LQLPSPTATSQPLPLESDAVECLNYQHYKGSDFDCELRLLIHQSLAGGIIGVKGA KIKELRENTQTTIKLFQECCPHSTDRVVLIGGKPDREVVECIKILDLISESPIKGRA QPYDPNFYDETYDYGFTMMFDDRRGRPVGFPMRGRGGFDRMPPGRGGR PMPPSRRDYDDMSPRRGPPPPPPGRGGRGGSRARNLPLPPPPPPRGGDLM AYDRRGRPGDRYDGMVGFSADETWDSAIDTWSPSEWQMA YEPQGGSGYDY SYAGGRGSYGD LGGPIITTQVTIPKDLAGSIIGKGGQRIKQIRHESGASIKIDEPL EGSEDRIITITGTQDQIQNAQYLLQNSVKQYADVEGF
<b>Source</b>	E.coli
<b>Target Names</b>	HNRNPK
<b>Protein Names</b>	Recommended name: Heterogeneous nuclear ribonucleoprotein K Short name= hnRNP K Alternative name(s): Transformation up-regulated nuclear protein Short name= TUNP
<b>Expression Region</b>	3-464aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Partial of Isoform 2
<b>Target Details</b>	This gene 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. This protein is located in the nucleoplasm and has three repeats of KH domains that binds to RNAs. It is distinct among other hnRNP proteins in its binding preference; it binds tenaciously to poly(C). This protein is also thought to have a role during cell cycle progression. Several alternatively spliced transcript variants have been described for this gene, however, not all of



them are fully characterized.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.