

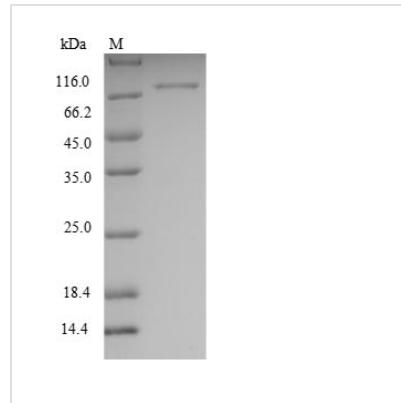


# Recombinant Human Heterogeneous nuclear ribonucleoprotein K (HNRNPK), partial

<b>Product Code</b>	CSB-EP010611HU
<b>Relevance</b>	One of the major pre-mRNA-binding proteins. Binds tenaciously to poly(C) sequences. Likely to play a role in the nuclear metabolism of hnRNAs, particularly for pre-mRNAs that contain cytidine-rich sequences. Can also bind poly(C) single-stranded DNA. Plays an important role in p53/TP53 response to DNA damage, acting at the level of both transcription activation and repression. When sumoylated, acts as a transcriptional coactivator of p53/TP53, playing a role in p21/CDKN1A and 14-3-3 sigma/SFN induction . As far as transcription repression is concerned, acts by interacting with long intergenic RNA p21 (lincRNA-p21), a non-coding RNA induced by p53/TP53. This interaction is necessary for the induction of apoptosis, but not cell cycle arrest. <sup>3</sup> Publications
<b>Storage</b>	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.
<b>Uniprot No.</b>	P61978
<b>Alias</b>	Transformation up-regulated nuclear protein ;TUNP
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	TEQPEETFPNTEETNGEFGKRPAEDMEEEQAFKRSRNTDEMVELRILLQSKNA GAVIGKGGKNIKALRTDYNASVSVPDSSGPERILSISADIETIGEILKKIIPBLEEG LQLPSPTATSQLPLESDAVECLNYQHKGSDFDCELRLLIHQSLAGGIIGVKGA KIKELRENTQTTIKLFQECCPHSTDRVVLIGGKPDRVVECIIKILDLISESPIKGRA QPYDPNFYDETYDYGFTMMFDDRRGRPVGFPMRGRGGFDRMPPGRGGR PMPPSRRDYDDMSPRRGPPPPPPGRGGRGGSRARNLPLPPPPPPRGGDLM AYDRRGRPGDRYDGMVGFSADETWDSAITWSPSEWQMA YEPQGGSGYDY SYAGGRGSYGD LGGPIITTQVTIPKDLAGSIIGKGGQRIKQIRHESGASIKIDEPL EGSEDRIITITGTQDQIQNAQYLLQNSVKQYADVEGF
<b>Research Area</b>	Immunology
<b>Source</b>	E.coli
<b>Target Names</b>	HNRNPK
<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>	N-terminal GST-tagged
<b>Mol. Weight</b>	78.2 kDa

**Protein Length**

Partial of Isoform 2

**Image**

(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

**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.

**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.