

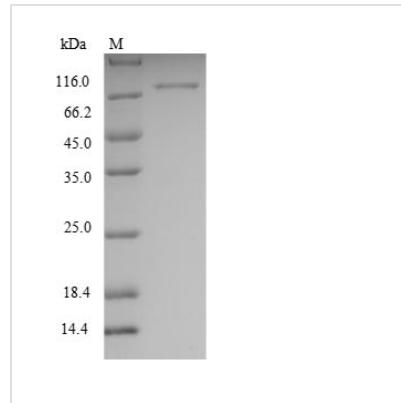


Recombinant Human Heterogeneous nuclear ribonucleoprotein K (HNRNPK), partial

Product Code	CSB-EP010611HU
Relevance	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. ³ Publications
Storage	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.
Uniprot No.	P61978
Alias	Transformation up-regulated nuclear protein ;TUNP
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	TEQPEETFPNTEETNGEFGKRP AEDMEEEQAFKRSRNTDEMVELRILLQSKNA GAVIGKGGKNIKALRTDYNASVSVDPSSGPERILSISADIETIGEILKKIIP TLEEG LQLPSPTATSQ LPLESDAVECLNYQH YKGSDFDCELRLLIHQSLAGGIIGVKGA KIKELRENTQTTIKLFQECCPHSTDRVVLIGGKPDRVVECIKIILDLISESPIKGRA QPYDPNFYDETYDYG GFTMMFDDRRGRPVGFPMRGRGGFDRMPPGRGGR PMPPSRRDYDDMSPRRGPPPPPPGRGGRGGSRARNLPLPPPPPPRGGDLM AYDRRGRPGDRYDGMVGFSADETWDSAITWSPSEWQMA YEPQGGSGYDY SYAGGRGSYGDLGGPIITTQVTIPKDLAGSIIGKGGQRIKQIRHESGASIKIDEPL EGSEDRIITITGTQDQIQNAQYLLQNSVKQYADVEGF
Research Area	Immunology
Source	E.coli
Target Names	HNRNPK
Expression Region	3-464aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal GST-tagged
Mol. Weight	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.