**Recombinant human Heterogeneous nuclear ribonucleoprotein K**

**Catalog Number:** **CSB-RP025344h**

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| **Product Name：** | Recombinant human Heterogeneous nuclear ribonucleoprotein K |
| **Alternative names:** | Transformation up-regulated nuclear protein |
| **Catalog Number：** | CSB-RP025344h |
| **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 inductionBy similarity. 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. |
| **Mol. Weight：** | 77kD |
| **Product Info ：** | GST-tagged |
| **Source：** | E.coli derived |
| **Image:** |  |
| **Purity：** | >90%(SDS-PAGE) |
| **Storage Buffer：** | lyophilized with PBS,5% trehalose, pH 7.4 |
| **Storage ：** | Store at -20℃, for extended storage, conserve at -20℃ or -80℃. |
| **Notes ：** | Repeated freezing and thawing is not recommended. Store working aliquots at 4℃ for up to one week. |
| **AA sequence：** | TEQPEETFPNTETNGEFGKRPAEDMEEEQAFKRSRNTDEMVELRILLQSKNAGAVIGKGGKNIKALRTDYNASVSVPDSSGPERILSISADIETIGEILKKIIPTLEEGLQLPSPTATSQLPLESDAVECLNYQHYKGSDFDCELRLLIHQSLAGGIIGVKGAKIKELRENTQTTIKLFQECCPHSTDRVVLIGGKPDRVVECIKIILDLISESPIKGRAQPYDPNFYDETYDYGGFTMMFDDRRGRPVGFPMRGRGGFDRMPPGRGGRPMPPSRRDYDDMSPRRGPPPPPPGRGGRGGSRARNLPLPPPPPPRGGDLMAYDRRGRPGDRYDGMVGFSADETWDSAIDTWSPSEWQMAYEPQGGSGYDYSYAGGRGSYGDLGGPIITTQVTIPKDLAGSIIGKGGQRIKQIRHESGASIKIDEPLEGSEDRIITITGTQDQIQNAQYLLQNSVKQYADVEGF |
| **References：** | "Characterization and primary structure of the poly(C)-binding heterogeneous nuclear ribonucleoprotein complex K protein."  Matunis M.J., Michael W.M., Dreyfuss G.  Mol. Cell. Biol. 12:164-171(1992) |