

Recombinant Human HNRNPK Protein (3-459 aa), GST-tagged

Cat. No. HNRNPK-1190H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human HNRNPK Protein (3-459 aa) is produced by E. coli expression system. This protein is fused with a GST tag at the N-terminal. Protein Description: Partial.
Species	Human
Source	E.coli
ProteinLength	3-459 aa
Description	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.}
Form	Tris-based buffer, 50% glycerol
Molecular Mass	77.8 kDa

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AA Sequence	TEQPEETFPNTETNGEFGKRPAEDMEEEQAFKRSRNTDEMVELRILLQSKNAGAVI GKGGKNIKALRTDYNASVSPDSSGPERILSISADIETIGEILKKIPTLEEGQLPSPTA TSQLPLESDAVECLNYQHYKGSDFDCELRLLIHQSLAGGIIGVKGAKIKELRENTQTTI KLFQECCPHSTDRVVLIGGKPDRVVECIKILDLISESPIKGRAQPYDPNFDYDYG GFTMMFDDRRGRPVGFPMRGRGGFDRMPPGRGGRPMPPSRRDYDDMSPRRGP PPPPPGRGGRGGSRRARNLPLPPPPPPRGGDL MAYDRRGRPGDRYDGMVGFSADE TWDSAIDTWSPSEWQMAYEPQGGSGYDYSYAGGRGSYGDLGGPIITTQVTIPKDLA GSIIGKGGQRIKQIRHESGASIKIDEPLEGSEDRIITITGTQDQIQNAQYLLQNSVKQYS
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

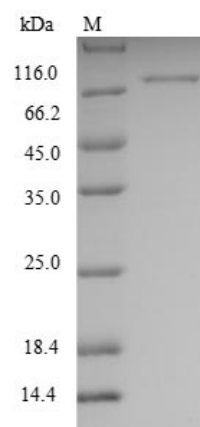
Gene Name	HNRNPK heterogeneous nuclear ribonucleoprotein K [Homo sapiens]
Official Symbol	HNRNPK
Synonyms	HNRNPK; HNRPK; CSBP; TUNP; FLJ41122;
Gene ID	3190

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mRNA Refseq	NM_002140
Protein Refseq	NP_002131
MIM	600712
UniProt ID	P61978



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

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