

Recombinant Full Length Human HNRNPK Protein, GST-tagged

Cat. No. HNRNPK-3684HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Human HNRPK full-length ORF (NP_112552.1, 1 a.a. - 463 a.a.) recombinant protein with GST-tag at N-terminal.

Species

Human

Source

In Vitro Cell Free System

ProteinLength

463 amino acids

Description

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. The protein encoded by this gene 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. [provided by RefSeq]

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Molecular Mass	77.4 kDa
AA Sequence	METEQPEETFPNTETNGEFGKRPAEDMEEEQAFKRSRNTDEMVELRILLQSKNAGA VIGKGGKNIKALRTDYNASVSVPDSSGPERILSISADIETIGEILKKIPTLEEGQLPSP TATSQLPLESDAVECLNYQHYKGSDFDCELRLLIHQSLAGGIIGVKGAKIKELRENTQ TTIKLFQECCPHSTDRVVLIGGKPDRVVECIILDLISESPIKGRAQPYDPNFYDETYD YGGFTMMFDDRRGRPVGFPMRGRGGFDRMPPGRGGRPMPPSRRDYDDMSPRR GPPPPPPGRGGRGGSRRARNLPLPPPPPPRGGDL MAYDRRGRPGDRYDGMVGFS AETWDS AIDTWSPSEWQMAYEPQGGSGYDYSYAGGRGSYGD LGGP IITTQVTIP KDLAGSIIGKGGQRIKQIRHESGASIKIDEPLEGSEDRIITITGTQDQIQNAQYLLQNSV KQYSGKFF
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	HNRNPK heterogeneous nuclear ribonucleoprotein K [Homo sapiens]
Official Symbol	HNRNPK
Synonyms	HNRNPK; heterogeneous nuclear ribonucleoprotein K; HNRPK; CSBP; transformation upregulated nuclear protein; TUNP; dC-stretch binding protein;

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FLJ41122;	
Gene ID	3190
mRNA Refseq	NM_002140
Protein Refseq	NP_002131
MIM	600712
UniProt ID	P61978

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