

Recombinant Human HNRNPK Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. HNRNPK-5858H Lot. No. (See product label)

SPECIFICATION

Product Overview

HNRNPK MS Standard C13 and N15-labeled recombinant protein (NP_112552) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

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.

Molecular Mass

51 kDa

AA Sequence

METEQPEETFPNTETNGEFGKRPAEDMEEEQAFKRSRNTDEMVELRILLQSKNAGA

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VIGKGGKNIKALRTDYNASVSPDSSGPERILSISADIETIGEILKKIIPBLEEGLQLPSP
TATSQPLESDAVECLNYQHYKGSDFDCELRLLIHQSLAGGIIGVKGAKIKELRENTQ
TTIKLFQECCPHSTDRVVLIGGKPDRVVECIKIILDLISESPIKGRAQPYDPNFDYD
YGGFTMMFDDRRGRPVGFPMRGRGGFDRMPPGRGGRPMPPSRRDYDDMSPRR
GPPPPPPGRGGRGGSRRARNLPLPPPPPPRGGDLMAVDRRGRPGDRYDGMVGF
AETWDSAITWSPSEWQMAVEPQGGSGYDYSYAGGRGSYGDLLGGPIITTQVTIP
KDLAGSIIGKGGQRIKQIRHESGASIKIDEPLEGSEDRIITITGTQDQIQNAQYLLQNSV
KQYSGKFFTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [HNRNPK heterogeneous nuclear ribonucleoprotein K \[Homo sapiens \(human\) \]](#)

Official Symbol [HNRNPK](#)

Synonyms HNRNPK; heterogeneous nuclear ribonucleoprotein K; HNRPK; CSBP; transformation upregulated nuclear protein; TUNP; dC-stretch binding protein; FLJ41122;

Gene ID [3190](#)

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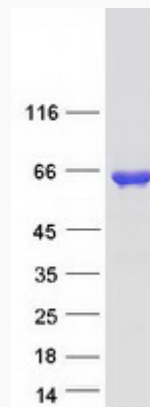
mRNA Refseq [NM_031262](#)

Protein Refseq [NP_112552](#)

MIM [600712](#)

UniProt ID [P61978](#)

SDS-PAGE



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