

## Recombinant Mouse Hnrnpk Protein, MYC/DDK-tagged

**Cat. No.** Hnrnpk-1151M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of full-length mouse heterogeneous nuclear ribonucleoprotein K (cDNA clone MGC:6388 IMAGE:3583037), complete cds, with C-terminal MYC/DDK tag, was expressed in HEK293T cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | The protein encoded by this gene is a component of the heterogeneous nuclear ribonucleoprotein (hnRNP) complex, and is a poly-cytosine binding protein (PCBP). It is found in multiple subcellular compartments including the nucleus, cytoplasm and mitochondria. This gene product is thought to interact with RNA, DNA, and protein, and is involved in multiple cellular processes, including transcription, chromatin remodeling, DNA damage response, signal transduction, mRNA splicing, export, and translation. Multiple transcript variants and protein isoforms exist, with some isoforms containing a unique C-terminus. There are four pseudogenes of this gene, found on chromosomes 2, 3, 7 and 13. |
| <b>Molecular Mass</b>   | 51 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Purity</b>           | >80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

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|                       |                                                       |
|-----------------------|-------------------------------------------------------|
| <b>Storage</b>        | Store at -80 centigrade after receiving vials.        |
| <b>Concentration</b>  | >50 µg/mL as determined by microplate BCA method      |
| <b>Storage Buffer</b> | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol. |

## GENE INFORMATION

|                        |                                                                                                                 |
|------------------------|-----------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Hnrnpk heterogeneous nuclear ribonucleoprotein K [ Mus musculus (house mouse) ]                                 |
| <b>Official Symbol</b> | Hnrnpk                                                                                                          |
| <b>Synonyms</b>        | Hnrnpk; heterogeneous nuclear ribonucleoprotein K; KBBP; NOVA; Hnrpk; heterogeneous nuclear ribonucleoprotein K |
| <b>Gene ID</b>         | 15387                                                                                                           |
| <b>mRNA Refseq</b>     | NM_025279                                                                                                       |
| <b>Protein Refseq</b>  | NP_079555                                                                                                       |
| <b>UniProt ID</b>      | P61979                                                                                                          |

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