

## Product datasheet for **TP319023M**

### hnRNP K (HNRNPK) (NM\_031263) Human Recombinant Protein

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | Recombinant protein of human heterogeneous nuclear ribonucleoprotein K (HNRNPK), transcript variant 2, 100 µg   |
| Species:                              | Human   |
| Expression Host:                      | HEK293T   |
| Expression cDNA Clone or AA Sequence: | >RC219023 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)  |
|                                       | <p>METEQPEETFPNTEETNGFEFGKRPAEDMEEEQAFKRSRNTDEMVELRILLQSKNAGAVIGKGGKNIKALRT<br/>DYNASVSVPDSSGPERILSISADIETIGEILKKIPTLEEGQLPSPTATSQLPLESDAVECLNYQHYKG<br/>SDFDCELRLLIHQSLAGGIIGVKGAKIKELRENTQTTIKLFQECPPHSTDRVVLIGGKPDWRVECIKIL<br/>DLISESPIKGRAQPYDPNFYDETYDYGGFTMMFDDRRGRPVGFPMRGRGGFDRMPPGRGGRPMPPSRRDY<br/>DDMSPRRGPPPPPPGRGGRGGSRRARNLPLPPPPPPRGGDLMAYDRRGRPGDRYDGMVGFSADETWDSAID<br/>TWSPSEWQMAYEPQGGSGYDYSYAGGRGSYDGLGGPIITTQVTIPKDLAGSIIGKGGQRIKQIRHESGAS<br/>IKIDEPLEGSEDRIITITGTQDQIQNAQYLLQNSVKQYADVEGF</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p> |
| Tag:                                  | C-Myc/DDK   |
| Predicted MW:                         | 50.8 kDa  |
| Concentration:                        | >0.05 µg/µL as determined by microplate BCA method  |
| Purity:                               | > 80% as determined by SDS-PAGE and Coomassie blue staining   |
| Buffer:                               | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol  |
| Preparation:                          | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.  |
| Note:                                 | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.  |
| Storage:                              | Store at -80°C.   |
| Stability:                            | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.   |



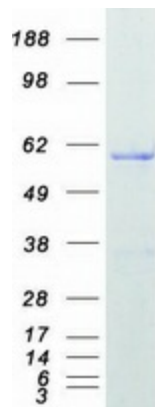
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|               |                           |
|---------------|---------------------------|
| RefSeq:       | <a href="#">NP_112553</a> |
| Locus ID:     | 3190                      |
| UniProt ID:   | <a href="#">P61978</a>    |
| RefSeq Size:  | 2960                      |
| Cytogenetics: | 9q21.32                   |
| RefSeq ORF:   | 1392                      |
| Synonyms:     | AUKS; CSBP; HNRPK; TUNP   |

**Summary:** 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, Jul 2008]

**Protein Pathways:** Spliceosome

### Product images:



Coomassie blue staining of purified HNRNPK protein (Cat# [TP319023]). The protein was produced from HEK293T cells transfected with HNRNPK cDNA clone (Cat# [RC219023]) using MegaTran 2.0 (Cat# [TT210002]).