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

**Cat. No.** HNRNPD-799H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | HNRNPD MS Standard C13 and N15-labeled recombinant protein (NP_002129) 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 nucleic acid 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 has two repeats of quasi-RRM domains that bind to RNAs. It localizes to both the nucleus and the cytoplasm. This protein is implicated in the regulation of mRNA stability. Alternative splicing of this gene results in four transcript variants. |
| **Molecular Mass** | 32.8 kDa |
| **AA Sequence** | MSEEQFGGDGAAAAATAAVGGSAGEQEGAMVAATQGAAAAAGSGAGTGGGTAS GGTEGGSAESEGAKIDASKNEEDEGHSNSSPRHSEAATAQREEWKMFIGGLSWDT |

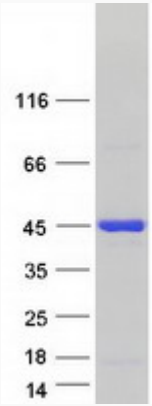
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| | TKKDLKDYFSKFGEVVDCTLKLDPITGRSRGFGFVLFKESESVDKVMDQKEHKLNG KVIDPKRAKAMKTKEPVKKIFVGGLSPDTPEEKIREYFGGFGEVESIELPMDNKTNKR RGFCFITFKEEEPVKKIMEKKYHNVGLSKCEIKVAMSKEQYQQQQQWGSRGGFAG RARGRGGDQQSGYGKVSRRGGHQNSYKPYTRTRPLEQKLISEEDLAANDILDYKD DDDKV |
| **Purity** | > 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

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| **Gene Name** | HNRNPD heterogeneous nuclear ribonucleoprotein D [ Homo sapiens (human) ] |
| **Official Symbol** | HNRNPD |
| **Synonyms** | HNRNPD; heterogeneous nuclear ribonucleoprotein D (AU-rich element RNA binding protein 1, 37kDa); AUF1, heterogeneous nuclear ribonucleoprotein D (AU rich element RNA binding protein 1, 37kD), HNRPD; heterogeneous nuclear ribonucleoprotein D0; hnRNP D0; ARE-binding protein AUFI, type A; P37; AUF1; AUF1A; HNRPD; hnRNPD0; |
| **Gene ID** | 3184 |

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| **mRNA Refseq** | NM_002138 |
| **Protein Refseq** | NP_002129 |
| **MIM** | 601324 |
| **UniProt ID** | Q14103 |
| **SDS-PAGE** |  |



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