

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

Cat. No. HNRNPD-2638H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HNRNPD MS Standard C13 and N15-labeled recombinant protein (NP_001003810) 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	30.5 kDa
AA Sequence	MSEEQFGGDGAAAAATAAVGGSAGEQEGAMVAATQGAAAAAGSGAGTGGGTAS GGTEGGSASEGAKIDASKNEEDEGKMFIGGLSWDTTKKDLKDYFSKFGEVVDCTL

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KLDPITGRSRGFGFVLFKESESVDKVMQKEHKLNGKVIDPKRAKAMKTKEPVKKIF
 VGGLSPDTPPEEKIREYFGGFGEVESIELPMDNKTNRGRGFCFITFKEEEPVKKIMEKK
 YHNVGLSKCEIKVAMSKEQYQQQQWGSRRGGFAGRARGRGDQQSGYGKVSRR
 GGHQNSYKPYTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 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 AUF1, type A; P37; AUF1; AUF1A; HNRPD; hnRNP D0;

Gene ID 3184

mRNA Refseq NM_001003810

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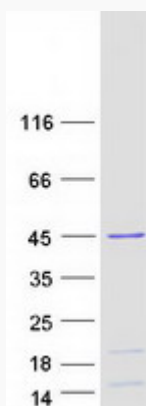
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Protein Refseq NP_001003810

MIM 601324

UniProt ID Q14103

SDS-PAGE



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