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

Cat. No. HNRNPD-373H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HNRNPD MS Standard C13 and N15-labeled recombinant protein (NP_112737) 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. [provided by RefSeq, Jul 2008]
Molecular Mass	36.1 kDa
AA Sequence	MSEEQFGGDGAAAAATAAVGGSAGEQEGAMVAATQGAAAAAGSGAGTGGGTAS GGTEGGSAESEGAKIDASKNEEDEGKMFIGGLSWDTTKKDLKDYFSKFGEVVDCTL

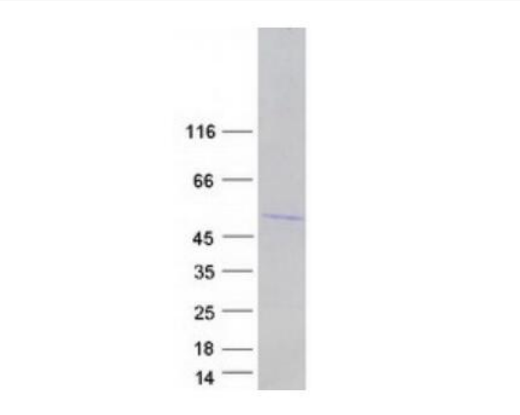
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	KLDPITGRSRGFGFVLFKESESVDKVMDQKEHKLNGKVIDPKRAKAMKTKEPVKKIF VGGLSPDTPEEKIREYFGGFGEVESIELPMDNKTNKRRGFCFITFKEEEPVKKIMEKK YHNVGLSKCEIKVAMSKEQYQQQQQWGSRGGFAGRARGRGGGPSQNWNQGYS NYWNQGYGNYGYNSQGYGGYGGYDYTGYNNYYGYGDYSNQQSGYGKVSRRGG HQNSYKPYTRTRPLEQKLISEEDLAANDILDYKDDDDKV
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 (AU-rich element RNA binding protein 1, 37kDa) [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_031369
Protein Refseq	NP_112737
MIM	601324
UniProt ID	Q14103
SDS-PAGE	

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