

## Product datasheet for PH301796

### HNRNPD (NM\_031370) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	HNRNPD MS Standard C13 and N15-labeled recombinant protein (NP_112738)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201796
Predicted MW:	38.3 kDa
Protein Sequence:	>RC201796 representing NM_031370 Red=Cloning site Green=Tags(s)  MSEEQFGGDGAAAAATAAVGGSAGEQEGAMVAATQGAAAAAGSGAGTGGGTASGGTEGGSASESEGA KIDASKNEEDEGHSNSSPRHSEAATAQREWKMFIGGLSWDTTKDLKDYFSKFGEVVDCTLKLD PITGRSRGFGFVLFKESESVDKVMQKEHKLNGKVIDPKRAKAMKTKEPVKKIFVGG LSPDTPEEKIREYFGGFGEVESIELPMDNKTNKRRCGFCITFKEEPPVKKIMEK YHNVGLSKCEIKVAMSKEQYQQQQWQSRGGFAGRARGRGGGPSQNWQGY SNYWNQGYGNYGYNYSQGYGGYGGYDYGYNYYGYGDYSNQQSGYGVKVSRRGGHQ NSYKPY  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_112738</a>
RefSeq Size:	2257
RefSeq ORF:	1065
Synonyms:	AUF1; AUF1A; hnRNP0; HNRPD; P37
Locus ID:	3184



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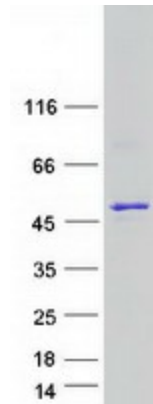
UniProt ID: [Q14103](#), [A1LU37](#)

Cytogenetics: 4q21.22

**Summary:** 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]

**Protein Families:** Druggable Genome, Transcription Factors

### Product images:



Coomassie blue staining of purified HNRNPD protein (Cat# [TP301796]). The protein was produced from HEK293T cells transfected with HNRNPD cDNA clone (Cat# [RC201796]) using MegaTran 2.0 (Cat# [TT210002]).