

Recombinant Full Length Human HNRNPD Protein, C-Flag-tagged

Cat. No. HNRNPD-2053HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human HNRNPD Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	38.3 kDa
AA Sequence	MSEEQFGGDGAAAAATAAVGGSAGEQEGAMVAATQGAAAAAGSGAGTGGGTAS

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GGTEGGSAESEGA KIDA SKNEEDEGHSNSSPRHSEAATAQREEWKMFIGGLSWD
 TTKKDLKDYFSKFGEVVDCTLKLD PITGRSRGF GFVLFKESESVDKVM DQKEHKLN
 GKVIDPKRAKAMKTKEPVKKIFVGGLSPDTPEEKIREYFGGFGEVES IELPMDNKTN
 KRRGFCFITFKEEEPVKKIMEKKYHNVGLSKCEIKVAMSKEQYQQQQWGSRGGFA
 GRAR GRGGGPSQNNWNQGYSNYWNQGYGNYGYN SQGYGGYGGYDYGYN NY
 GYGDYSNQSGYGKVSRRGGHQN SYKPY TRTRPLEQKLISEEDLAANDILDYKDD
 DDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Transcription Factors
Full Length	Full L.

GENE INFORMATION

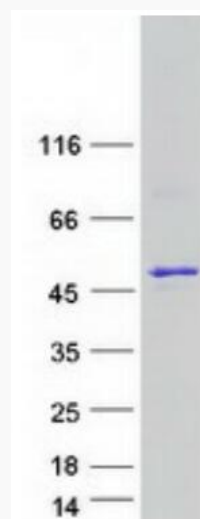
Gene Name	HNRNPD heterogeneous nuclear ribonucleoprotein D [Homo sapiens (human)]
Official Symbol	HNRNPD
Synonyms	P37; AUF1; AUF1A; HNRPD; hnRNP D0

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Gene ID	3184
mRNA Refseq	NM_031370.3
Protein Refseq	NP_112738.1
MIM	601324
UniProt ID	Q14103



Coomassie blue staining of purified HNRNPD protein.