

Recombinant Human HNRNPH2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. HNRNPH2-6003H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HNRNPH2 MS Standard C13 and N15-labeled recombinant protein (NP_062543) 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 RNA 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 three repeats of quasi-RRM domains that binds to RNAs. It is very similar to the family member HNRPH1. This gene is thought to be involved in Fabray disease and X-linked agammaglobulinemia phenotype. Alternative splicing results in multiple transcript variants encoding the same protein. Read-through transcription between this locus and the ribosomal protein L36a gene has been observed.
Molecular Mass	49.3 kDa

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AA Sequence

MMLSTEGREGFVVKVRGLPWSCSADEVMRFFSDCKIQNGTSGIRFIYTREGRPSGE
 AFVELESEEEVKLALKKDRETMGHRVVEVFKSNSVEMDWLKHGTGPNSPDTANDG
 FVRLRGLPFGCSKEEIVQFFSGLEIVPNGMTLPVDFQGRSTGEAFVQFASQEIAEKA
 LKKHKERIGHRYIEIFKSSRAEVRTHYDPPRKLMMQRPQPYDRPGAGRGYNSIGR
 GAGFERMRRGAYGGGYGGYDDYGGYNDGYGFGSDRFRDLNYCFSGMSDHRYG
 DGGSSFQSTTGHCVHMRGLPYRATENDIYNFFSPLNPMRVHIEIGPDGRVTGEADV
 EFATHEDAVAAMAKDKANMQHRYVELFLNSTAGTSGGAYDHSYVELFLNSTAGAS
 GGAYGSQMMGGMGLSNQSSYGGPASQQLSGGYGGGYGGQSSMSGYDQVLQEN
 SSDYQSNLATRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

[HNRNPH2 heterogeneous nuclear ribonucleoprotein H2 \[Homo sapiens \(human\) \]](#)

Official Symbol

[HNRNPH2](#)

Synonyms

HNRNPH2; heterogeneous nuclear ribonucleoprotein H2 (H); HNRPH2;
 heterogeneous nuclear ribonucleoprotein H2; FTP3; hnRNPH; HNRPH; FTP-3;
 hnRNP H; hnRNP H2; heterogeneous nuclear ribonucleoprotein H-prime;

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Gene ID	3188
mRNA Refseq	NM_019597
Protein Refseq	NP_062543
MIM	300610
UniProt ID	P55795
SDS-PAGE	