

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

Cat. No. HNRNPF-4463H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HNRNPF MS Standard C13 and N15-labeled recombinant protein (NP_004957) 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 that complex with heterogeneous nuclear RNA (hnRNA). These proteins are associated with pre-mRNAs in the nucleus and regulate alternative splicing, polyadenylation, 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 bind to RNAs which have guanosine-rich sequences. This protein is very similar to the family member hnRPH. Multiple alternatively spliced variants, encoding the same protein, have been identified.
Molecular Mass	45.7 kDa
AA Sequence	MMLGPEGGEGFVVKLRGLPWSCSVEDVQNFLSDCTIHDGAAGVHFIYTREGRQSG EAFVELGSEDDVKMALKKDRESMGHRYIEVFRSHRTEMDWVLKHSGPNSADSAND

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GFVRLRGLPFGCTKEEIVQFFSGLEIVPNGITLPVDPEGKITGEAFVQFASQELA EKAL
GKHKERIGHRYIEVFKSSQEEVRSYSDPPLKFMSVQRP GPYPDRPGTARRYIGIVKQA
GLERM RPGAYSTGYGGYEEYSGLSDGYGFTTDLFGRDLSYCLSGMYD HRYGDSEF
TVQSTTGHCVHMRGLPYKATENDIYNFFSPLNPVRVHIEIGPDGRVTGEADVEFATH
EEAVAAMSKDRANMQHRYIELFLNSTTGASNGAYSSQVMQGMGVSA AQA TYSGLE
SQSVSGCYGAGYSGQNSMGGYDTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 HNRNPF heterogeneous nuclear ribonucleoprotein F [Homo sapiens (human)]

Official Symbol HNRNPF

Synonyms HNRNPF; heterogeneous nuclear ribonucleoprotein F; HNRPF; HnRNP F protein; nucleolin-like protein mcs94-1; mcs94-1; OK/SW-cl.23; MGC110997;

Gene ID 3185

mRNA Refseq NM_004966

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Protein Refseq NP_004957

MIM 601037

UniProt ID P52597

SDS-PAGE



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