

Product datasheet for PH305100

hnRNP F (HNRNPF) (NM_004966) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HNRNPF MS Standard C13 and N15-labeled recombinant protein (NP_004957)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205100
Predicted MW:	45.7 kDa
Protein Sequence:	>RC205100 protein sequence Red=Cloning site Green=Tags(s)

MMLGPEGGEGFVVKLRGLPWSCSVEDVQNFLSDCTIHDGAAGVHFITYTREGRQSGEAFVELGSEDDVKMA
LKKDRESMGHRYIEVFRSHRTEMDWVLKHSGPNSADSANDGFVRLRGLPFGCTKEEIVQFFSGLIIVPNG
ITLPVDPEGKITGEAFVQFASQELAEKALGKHKERIGHRYIEVFKSSQEEVRSYSDPPLKFMVSVQRP
DRPGTARRYIGIVKQAGLERMRPGAYSTGYGGYEEYSGLSGTYGFTTDLFGRDLSYCLSGMYDHRYGDSE
FTVQSTTGHCVHMRGLPYKATENDIYNFFSPLNPVRVHIEIGPDGRVTGEADVEFATHEEAVAAMSKDRA
NMQHRYIELFLNSTTGASNGAYSSQVMQGMVSAQAATYSGLSQSVSGCYGAGYSGQNSMGGYD

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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:	NP_004957
RefSeq Size:	2651
RefSeq ORF:	1245
Synonyms:	HNRPF; mcs94-1; OK/SW-cl.23
Locus ID:	3185



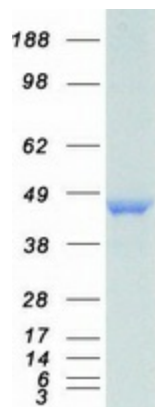
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UniProt ID: [P52597](#), [A0A024R7T3](#)

Cytogenetics: 10q11.21

Summary: 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. [provided by RefSeq, Jul 2008]

Product images:



Coomassie blue staining of purified HNRNPF protein (Cat# [TP305100]). The protein was produced from HEK293T cells transfected with HNRNPF cDNA clone (Cat# [RC205100]) using MegaTran 2.0 (Cat# [TT210002]).