

Recombinant Human HNRNPF

Cat. No. HNRNPF-27567TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human hnRNP F with N terminal proprietary tag; Predicted MWt 71.72 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	415 amino acids
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 Weight	71.720kDa inclusive of tags
Tissue specificity	Expressed ubiquitously.

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Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MMLGPEGGEGFVVKLRGLPWSCSVEDVQNFLSDCTIHDGA AGVHFIYTREGRQSG EAFVELGSEDDVKMALKKDRESMGH RYIEVFKSHRTEMDWVLKHSGPNSADSAND GFVRLRGLPF GCTKEEIVQFFSGLEIVPNGITLPVDPEGKITGEAFVQFA SQELAeka LGKHKERIGHRYIEVFKSSQEEVRSYSDPPLK FMSVQRP GPYDRPGTARRYIGIVKQ AGLERMRPGAYSTGY GGYEEYSGLSDGYGFTTDLFGRDLSYCLSGMYDHRYGDS E FTVQSTTGHCVHMRGLPYKATENDIYNFFSPLNPVRVHIE IGPDGRVTGEADVEF ATHEEAVAAMSKDRANMQHRYIELF LNSTTGASNGAYSSQVMQGMGVSAQAQATY SGLESQSVSGC YGAGYSGQNSMGGYD
Sequence Similarities	Contains 3 RRM (RNA recognition motif) domains.

GENE INFORMATION

Gene Name	HNRNPF heterogeneous nuclear ribonucleoprotein F [Homo sapiens]
Official Symbol	HNRNPF
Synonyms	HNRNPF; heterogeneous nuclear ribonucleoprotein F; HNRPF;
Gene ID	3185

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mRNA Refseq	NM_001098204
Protein Refseq	NP_001091674
MIM	601037
Uniprot ID	P52597
Chromosome Location	10q11.21
Pathway	Formation and Maturation of mRNA Transcript, organism-specific biosystem; Gene Expression, organism-specific biosystem; Processing of Capped Intron-Containing Pre-mRNA, organism-specific biosystem; mRNA Processing, organism-specific biosystem; mRNA Splicing, organism-specific biosystem;
Function	RNA binding; nucleotide binding; protein binding; single-stranded RNA binding;

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