

Recombinant Human HNRNPH1 protein, His/SUMO-tagged

Cat. No. HNRNPH1-1433H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HNRNPH1(2-449aa) fused with His/SUMO tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	2-449aa
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. This protein has three repeats of quasi-RRM domains that bind to RNAs. It is very similar to the family member HNRPF. This gene is thought to be potentially involved in hereditary lymphedema type I phenotype.
Molecular Mass	65.1kD
AA Sequence	MLGTEGGEGFVVKVRGLPWSCSADEVQRFFSDCKIQNGAQGIRFIYTREGRPSTGEA FVELESEDEVKLALKKDRE TMGHRYVEVFKSNNVEMDWVLKHTGPNSPDTANDGF VRLRGLPFGCSKEEIVQFFSGLEIVPNGITLPVDFQGRS TGEAFVQFASQEIAEKALK

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KHKERIGHRYIEIFKSSRAEVRTHYDPPRKLMMQRPQPYDRPGAGRGYNSIGRGA
 GFERMRRGAYGGGYGGYDDYNGYNDGYGFGSDRFGRDLNYCFSGMSDHRGDDG
 GSTFQSTTGHCVHMRGLPYRAT ENDIYNFFSPLNPVRVHIEIGPDGRVTGEADVEF
 ATHEDAVAAMSKDKANMQHRYVELFLNSTAGASGGAYEHRY VELFLNSTAGASGG
 AYGSQMMGGMGLSNQSSYGGPASQQLSGGYGGGYGGQSSMSGYDQVLQENSS
 DFQSNIA

GENE INFORMATION

Gene Name	HNRNPH1 heterogeneous nuclear ribonucleoprotein H1 (H) [Homo sapiens]
Official Symbol	HNRNPH1
Synonyms	HNRNPH1; heterogeneous nuclear ribonucleoprotein H1 (H); HNRPH1; heterogeneous nuclear ribonucleoprotein H; hnRNPH; HNRPH; DKFZp686A15170;
Gene ID	3187
mRNA Refseq	NM_001257293
Protein Refseq	NP_001244222
MIM	601035
UniProt ID	P31943
Chromosome Location	5q35.3
Pathway	Gene expression, organism-specific biosystem; Processing of Capped Intron-Containing Pre-mRNA, organism-specific biosystem; mRNA Splicing, organism-

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specific biosystem; mRNA Splicing - Major Pathway, organism-specific biosystem;
mRNA processing, organism-specific biosystem;

Function

RNA binding; nucleotide binding; poly(U) RNA binding; protein binding;

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