

## Recombinant Human HNRNPH1 protein, His/SUMO-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human HNRNPH1(2-449aa) fused with His/SUMO tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	2-449aa
<b>Description</b>	<p>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.</p>
<b>Molecular Mass</b>	65.1kD
<b>AA Sequence</b>	<p>MLGTEGGEGFVVKVRGLPWSCSADEVQRFFSDCKIQNGAQQGIRFIYTREGRPSGEA  FVELESEDEVKLALKKDRE TMGHRYVEVFKSNNVEMDWVLKHTGPNSPDTANDGF  VRLRGLPFGCSKEEIVQFFSGLIIVPNGITLPVDFQGRS TGEAFVQFASQEIAEKALK</p>

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KHKERIGHRYIEIFKSSRAEVRTHYDPPRKLMMAMQRPQPYDRPGAGRGYNSIGRGA  
 GFERMRRGAYGGGYGGYDDYNGYNDGYGFGSDRFGRDLNYCFSGMSDHRYGDG  
 GSTFQSTTGHCVHMRGLPYRAT ENDIYNFFSPLNPVRVHIEIGPDGRVTGEADVEF  
 ATHEDAVAAMSKDKANMQHRYVELFLNSTAGASGGAYEHRY VELFLNSTAGASGG  
 AYGSQMMGGMGLSNQSSYGGPASQQLSGGYGGGYGGQSSMSGYDQVLQENSS  
 DFQSNIA

## GENE INFORMATION

<b>Gene Name</b>	HNRNPH1 heterogeneous nuclear ribonucleoprotein H1 (H) [ Homo sapiens ]
<b>Official Symbol</b>	HNRNPH1
<b>Synonyms</b>	HNRNPH1; heterogeneous nuclear ribonucleoprotein H1 (H); HNRPH1; heterogeneous nuclear ribonucleoprotein H; hnRNPH; HNRPH; DKFZp686A15170;
<b>Gene ID</b>	3187
<b>mRNA Refseq</b>	NM_001257293
<b>Protein Refseq</b>	NP_001244222
<b>MIM</b>	601035
<b>UniProt ID</b>	P31943
<b>Chromosome Location</b>	5q35.3
<b>Pathway</b>	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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