

## Product datasheet for **RG208027**

### **HNRPH3 (HNRNPH3) (NM\_021644) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HNRPH3 (HNRNPH3) (NM_021644) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	HNRPH3
Synonyms:	2H9; HNRPH3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG208027 representing NM_021644 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATTGGTTATGAAACATAATGGTCCAAATGACGCTAGTGATGGGACAGTACGACTTCGTGGACTAC  
CATTTGGTTGCAGCAAAGAGGAAATAGTTCAGTTCCTTCAAGGGTTGGAAATCGTGCCAAATGGGATAAC  
ATTGACGATGGACTACCAGGGGAGAAGCACAGGGGAGGCCTTCGTGCAGTTTGCTTCAAAGGAGATAGCA  
GAAAATGCTCTGGGAAACACAAGGAAAGAATAGGGCACAGGTATATTGAGATCTTCAGAAGTAGCAGGA  
GTGAAATCAAAGGATTTTATGATCCACCAAGAAGATTGCTGGGACAGCGACCGGGACCATATGATAGACC  
AATAGGAGGAAGAGGGGTTATTATGGAGCTGGGCGTGAAGTTATGGAGTTTTGATGACTATGGTGGC  
TATAATAATTACGGCTATGGGAATGATGGCTTTGATGACAGAATGAGAGATGGAAGAGGTATGGGAGGAC  
ATGGCTATGGTGGAGCTGGTATGCAAGTTCAGGTTTTTCATGGTGGTCATTTTCGTACATATGAGAGGGTT  
GCCTTTTCGTGCAACTGAAAATGACATTGCTAATTTCTTCTCACCCTAAATCCAATACGAGTTCATATT  
GATATTGGAGCTGATGGCAGAGCCACAGGAGAAGCAGATGTAGAGTTTGTGACACATGAAGATGCAGTAG  
CTGCCATGTCTAAAGATAAAAAAATCATGCAACATCGATATATTGAACTTCTTGAATTCTACTCCTGG  
AGGCGGCTCTGGCATGGGAGTTCTGGAATGGGAGGCTACGGAAGAGATGGAATGGATAATCAGGGAGGC  
TATGGATCAGTTGGAAGAATGGGAATGGGAACAATTACAGTGGAGGATATGGTACTCCTGATGGTTGG  
GTGGTTATGGCCGTGGTGGAGGCAGTGGAGTTACTATGGCAAGCGGCATGAGTGGAGGTGGATG  
CGTGGGATGTAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG208027 representing NM\_021644  
 Red=Cloning site Green=Tags(s)

MDWVMKHNGPNDASDGTVRLRGLPFGCSKEEIVQFFQGLEIVPNGITLTMDYQGRSTGEAFVQFASKEIA  
 ENALGKHKERIGHRYIEIFRSSRSEIKGFYDPPRRLGQRP GPYDRPIGGRGGYYGAGRGSYGGFDDYGG  
 YNNYGYGNDGFDDMRDGRGMGGHGYGGAGDASSGFHGGHFVHMRGLPFRATENDIANFFSPLNPIRVHI  
 DIGADGRATGEADVEFVTHEDAVAAMSKDKNNMQHRYIELFLNSTPGGSGMGGSGMGYGRDGMNDQGG  
 YGSVGRMGMNYSGGYGTPDGLGGYGRGGGSGGYYGQGMSSGGWGRMY

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_021644

**ORF Size:** 993 bp

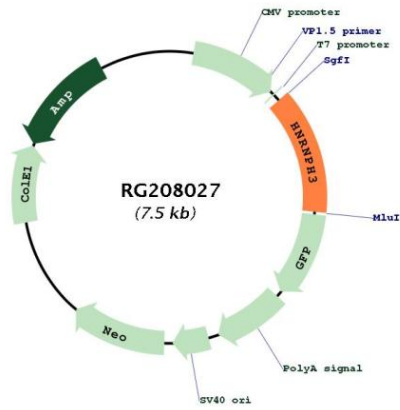
**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_021644.3</a> , <a href="#">NP_067676.2</a>
<b>RefSeq Size:</b>	2271 bp
<b>RefSeq ORF:</b>	996 bp
<b>Locus ID:</b>	3189
<b>UniProt ID:</b>	<a href="#">P31942</a>
<b>Cytogenetics:</b>	10q21.3
<b>Domains:</b>	RRM
<b>Gene Summary:</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. The protein encoded by this gene has two repeats of quasi-RRM domains that bind to RNAs. It is localized in nuclear bodies of the nucleus. This protein is involved in the splicing process and it also participates in early heat shock-induced splicing arrest by transiently leaving the hnRNP complexes. Several alternatively spliced transcript variants have been noted for this gene, however, not all are fully characterized. [provided by RefSeq, Jul 2008]</p>

Product images:



Circular map for RG208027