

Product datasheet for **RG211304**

HNRPA3 (HNRNPA3) (NM_194247) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HNRPA3 (HNRNPA3) (NM_194247) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	HNRPA3
Synonyms:	2610510D13Rik; D10S102; FBRNP; HNRPA3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG211304 ORF sequence, **codon optimized**.
Due to the complexity of NM_194247, the ORF clone is codon optimized for mammalian Expression.
The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGAGGTAAAACCGCCGCCCGGTGCCCCAGCCGACTCCGGCCGTCGCCGTCGCCGCCGGGGGAGG
 AGGGCCATGATCCAAAGGAACCAGAGCAGTTGAGAAAAGTGTATTGGTGGTCTGAGCTTTGAACTAC
 AGATGATAGTTTACGAGAACATTTTGGAAAATGGGGCACACTCACAGATTGTGTGGTAATGAGAGACCC
 CAAACAAAACGTTCCAGGGGCTTTGGTTTGTGACTTATCTTGTGTTGAAGAGGTGGATGCAGCAATGT
 GTGCTCGACCACACAAGTTGATGGGCGTGTAGTGAACCAAGAGAGCTTTTCTAGAGAGGATTCTGT
 AAAGCCTGGTGCCATCTAACAGTGAAGAAAATTTTGTGGTGGTATTAAGAAGATACAGAAGAATAT
 AATTTGAGAGACTACTTTGAAAAGTATGGCAAGATTGAAACCATAGAAGTTATGGAAGACAGGCAGAGTG
 GAAAAAGAGAGGATTTGCTTTTGAACTTTGTGATGATCATGATACAGTTGATAAAATTGTTGTTTCAGAA
 ATACCACACTATTAATGGGCATAATTGTGAAGTAAAAAGGCCCTTTCTAAACAAGAGATGCAGTCTGCT
 GGATCACAGAGAGGTCGTGGAGGTGGATCTGGCAATTTTATGGTTCGGGAGGGAACCTTTGGAGGTGGT
 GAGGTAATTTGGCCGTGGTGAACCTTTGGTGAAGAGGAGGCATGGTGGTGGAGGTGGTGGCAGCAG
 AGGTAGTTATGGAGGAGGTGATGGTGGATATAATGGATTTGGAGGTGATGGTGGCAACTATGGCGTGGT
 CCTGGTTATAGTAGTAGAGGGGCTATGGTGGTGGTGGACCAGGATATGGAACCAAGGTGGTGGATATG
 GTGGAGGTGGAGGATATGATGGTTACAATGAAGGAGGAAAATTTGGCGGTGGTAACATGTTGGTGGTGG
 GAACTATAATGATTTGGAAATTATAGTGGACAACAGCAATCAAATTATGGACCCATGAAAGGGGCGAGT
 TTTGGTGAAGAAGCTCGGGCAGTCCCTATGGTGGTGGTATGGATCTGGTGGTGAAGTGGTGGATATG
 GTAGCAGAAGGTTTC

ACCGGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG211304 representing NM_194247
 Red=Cloning site Green=Tags(s)

MEVKPPPGRPQPDSGRRRRRRGEEGHPKEPEQLRKLFIGGLSFETDDSLREHFKEKWTLDTCVVMRDP
 QTKRSRFGFVYSCVEEVDAAAMCARPHKVDGRVVEPKRAVSREDSVKPGAHLTVKKIFVGGIKEDTEEY
 NLRDYFEKYGKIETIEVMEDRQSGKKRGFAFVTFDDHDTVDKIVVQKYHTINGHNCEVKKALSKQEMQSA
 GSQRGRGGGSGNFMGRGNFGGGGNFGRGNFGRGGYGGGGGSRGSYGGDGGYNGFGDGGNYGGG
 PGYSSRGGYGGGPGYGNQGGYGGGGYDGYNEGGNFGGGNYGGGNYNDFGNYSQQQSNYGPMPKGGG
 FGRSSGSPYGGGYGSGGGSGGYGSRRF

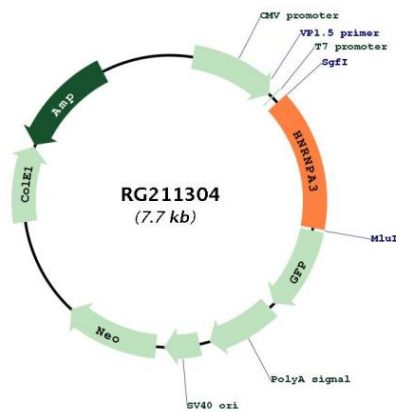
TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

RefSeq:	NM_194247.3
RefSeq Size:	5810 bp
RefSeq ORF:	1137 bp
Locus ID:	220988
UniProt ID:	P51991
Cytogenetics:	2q31.2
Protein Pathways:	Spliceosome
Gene Summary:	Plays a role in cytoplasmic trafficking of RNA. Binds to the cis-acting response element, A2RE. May be involved in pre-mRNA splicing.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG211304