

Product datasheet for **MR212784**

Hnrnpa0 (NM_029872) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hnrnpa0 (NM_029872) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hnrnpa0
Synonyms:	1110055B05Rik; 3010025E17Rik; hnRNP A0; Hnrpa0
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR212784 representing NM_029872, **codon optimized**.
Due to the complexity of NM_029872, 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)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAACACAGCCAGCTGTGTAAGCTGTTTATCGGAGGATTGAACGTACAGACCAGCGAGTCTGGCCTTC
 GGGGGCACTTCGAGGCATTCGGCACACTGACAGACTGCGTGGTCGTAGTGAATCCACAGACAAAGCGGTC
 AAGATGTTTCGGCTTTGTGACATACAGCAATGTGGAGGAGCGGATGCTGCAATGGCTGCTAGCCCGCAC
 GCTGTGGACGGCAATACCGTGGAGCTGAAGCGAGCGGTGAGCCGAGAGGACTCCGCTCGACCAGGGGCC
 ACGCTAAGGTGAAAAAAGTTCGTCGGAGGGTTGAAGGAGACGTGGCCGAGGGTGACTTGATCGAACAA
 CTTCTCACAGTTTGGCGCCGTGGAGAAGGCCGAGATAATCGCCGACAAACAGAGTGGTAAGAAGCGGGGA
 TTCGGTTTTGTCTATTTTCAGTCCCATGATGCCGAGATAAAGCTGCAAGTCAATCCACCAATTC
 AAGGCCATAGAGTTGAGGTGAAAAAAGCTGTTCCGAAGGAGGATATCCACGCCGGTGGGGGAGGCGCCCG
 GGCAGCGCGCGGGGACGAGGTGGAGGACGGGGTCGAGGAGGTGGGGCGGTGGCGGGGCGAGGATCAG
 AACGGCCTCGCAAGGGGGCGGAGGAGGAGGCGGAGGCTATAATTCATACGGAGGTTACGAGGTTACG
 GAGCATAACGAGGCGGGGGGGCGGAGGCGGGTCTACGGAGGCGGACTACGGGAATGGATTCGGCGG
 CTTTGGGTCTTATCCCAACATCAGAGTCTATGGCCCAATGAAGTCCGGGGCGGCGGGGGCGGTGGC
 GGCTCTTGGGGGGACGGAGTAACAGCGGGCCCTATCGCGCGGGTACGGGGCGGATATGGGGGAGGAT
 CCTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR212784 representing NM_029872
 Red=Cloning site Green=Tags(s)

MENSQLCKLFIGGLNVQTSSEGLRGHFEAFGTLTDCVVVNPQTKRSRCFGFVTVSNVEEADAAMAASPH
 AVDGNVELKRAVSREDSARPGAHAKVKKLFVGGGLKGDVAEGDLIEHFSQFGAVEKAEIADKQSGKKRG
 FGFVYFQSHDAADKAAVVKFHPIQGHRVEVKKAVPKEDIHAGGGGARAARGGRGGRRGGGGGGGGRDQ
 NGLAKGGGGGGGYNYSYGGYGGYAYGGGGGGGSYGGSDYGNFGGFGYSYQHQSYPKMSGGGGGGG
 GSWGGRSNSGPYRGGYGGYGGGSF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_029872

ORF Size: 915 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).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

RefSeq: [NM_029872.1](#), [NP_084148.1](#)

RefSeq Size: 2678 bp

RefSeq ORF: 918 bp

Locus ID: 77134

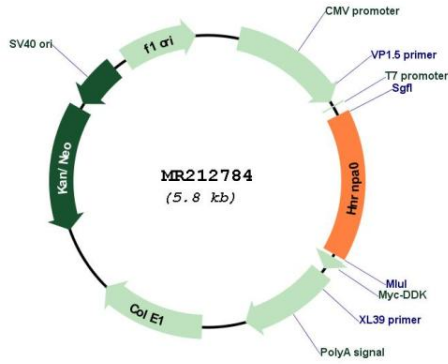
UniProt ID: [Q9CX86](#)

Cytogenetics: 13 B1

MW: 30.5 kDa

Gene Summary: mRNA-binding component of ribonucleosomes. Specifically binds AU-rich element (ARE)-containing mRNAs. Involved in post-transcriptional regulation of cytokines mRNAs. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR212784