

Product datasheet for **MG208796**

Hnrnpl (NM_177301) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hnrnpl (NM_177301) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hnrnpl
Synonyms:	C79783; D830027H13Rik; Hnrpl
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208796 representing NM_177301
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCGCGGAGGCTGCTGCCCGGGCGGAGAAGCGGCGTCGGCGGCTCGAGCAGAGGCAGCAGCCGGACG
 AGCAGCTGAGGCGGGCGGAGCGATGGTGAAGATGGCGGCTGCGGGCGGCGGAGGTGGCGGTGGTCGCTA
 TTACGGCGGGCGCAACGAGGGAGCCGAGCCCTAAACGGCTGAAGACTGAAAACGCCGGCGACCAGCAC
 GGAGGCGGCGGGCGGAGGCTCCGGGGCGGGCGGGCGGGGAGAACTACGATGACCCCCACA
 AAACCCCTGCCTCCCAGTTGTTACATCAGGGGCTGATTGACGGAGTAGTGAAGCTGACCTTGTTGGA
 AGCCCTGCAAGAATTTGGACCCATCAGCTATGTGGTGGTATGCCAAAGAAGAGGCAGGCACTGGTAGAG
 TTTGAAGACGTGCTGGGGCTTGTAAATGCCGTAACCTACGCTGCAGACAACCAGATCTACATTGCCGGTC
 ACCCTGCATTTGTCAATTATTCTACCAGCCAGAAGATCTCTCGCCGGGGGACTCTGATGACTCCGGGAG
 CGTAAACAGCGTCTTCTGTTTACCATCTAAACCCATCTACTCCATAACCACGGATGTTCTTTACACC
 ATCTGTAACCCCTTGTGGCCCTGTCCAGAGAATTGTCATTTCCGGAAGAACGGAGTTCAGGCTATGGTGG
 AGTTTGATTCTGTGCAAAGTGCCAGCGCGCAAGGCCTCACTCAATGGGGCTGACATCTATTCCGGCTG
 TTGACTCTGAAAATTGAGTACGCAAAGCTACGCGTTTAAATGTATTCAAGAACGATCAAGATACTTGG
 GACTACACGAACCCCAACCTCAGTGGACAAGGTGACCCTGGCAGTAACCCCAACAAACGCCAGCGGCAGC
 CCCCTCTCTGGGAGATCATCCCGCAGAATATGGAGGGCCCCATGGTGGTACCACAGCCATTACCATGA
 TGAGGGCTACGGGCCCCCCCCACCTCACTACGAAGGGAGAAGGATGGGCCACCTGTGGGGGTCAACGC
 CGGGCCCAAGTCGCTATGGCCCCCAGTATGGTCAATCCCCACCCCTCCCCACCACCCGACTATGGCC
 CCCACGCTGACAGCCCTGTGCTCATGGTCTATGGCTTGGATCAATCTAAGATGAAGTGTGATCGAGTCTT
 CAATGTCTCTGCTTGTATGGCAATGTGGAGAAGGTGAAATTTATGAAAAGCAAGCCGGGGCGCCCATG
 GTGAAATGGCTGATGGCTATGCTGTGGACCGAGCCATTACTCACCTCAACAACAACCTTCATGTTTGGC
 AGAAGATGAATGTCTGTCTCCAAGCAACCAGCCATTATGCCTGGTCACTACACGGGCTAGAAGATGG
 ATCCTGCAGCTATAAAGACTTCAGCGAGTCAAGGAACAATCGGTTCTCCACTCCAGAGCAGGCAGCTAAG
 AACCGCATCCAGCACCTAGCAATGACTGCACCTCTTCAATGCTCCCCTCGAGGTGACTGAGGAGAACT
 TCTTTGAGATCTGCGATGAAGTGGGAGTGAAGCGGCAACCTCTGTCAAAGTATTTTCAGGCAAAAGCGA
 GCGGAGCTCCTCTGGGCTGCTGGAGTGGGACTCGAAGAGCGATGCCCTGGAGACCTTGGGCTTCTGAAC
 CATTACCAGATGAAAACCCAAATGGCCGTACCCATACACTCTGAAGTTGTGCTTCTCCACTGCACAGC
 ACGCCTCC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

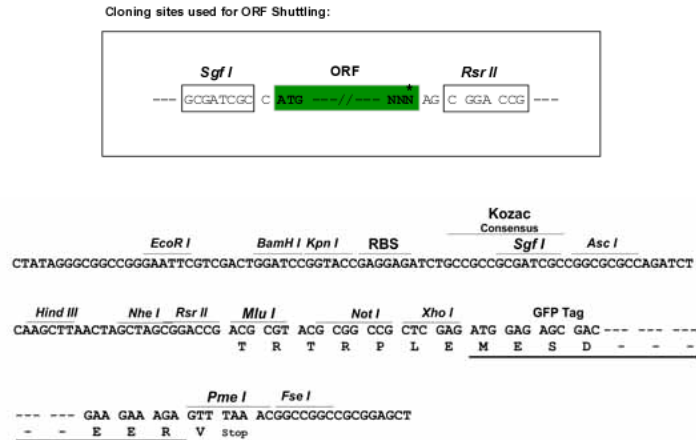
>MG208796 representing NM_177301
 Red=Cloning site Green=Tags(s)

MSRRLLPRAEKRRRRLERQRPDEQLRRAGAMVMAAAGGGGGGRYYGGNEGGRAPKRLKTENAGDQH
 GGGGGGSGAAGGGGGENYDDPHKTPASPVVHIRGLIDGVVEADLVEALQEFGPISYVVVMPKQRQALVE
 FEDVLGACNAVNYAADNQIYIAGHPAFVNYSTSQKISRPGSDSDSRVNSVLLFTILNPIYSITTDVLYT
 ICNPGPVQRIVIFRKNQVQAMVEFDSVQSAQRAKASLNGADIYSGCCTLKIYAKPTRLNVFKNDQDTW
 DYTNPNSGQDPSNPNKRQRQPPLLDHPAEYGGPHGGYHSHYHDEGYGPPPPHYEGRRMGPPVGGHR
 RGPSTRYGPQYGHPPPPPPDYGPHADSPVLMVYGLDQSKMNCDFVNFVCLYGNVEKVKFMKSKPGAAM
 VEMADGYAVDRAITHLNNFMFGQKMNVCYSKQPAIMPQSYGLEEDGSCSYKDFSESRNRFSTPEQAAK
 NRIQHPSNVLHFFNAPLEVTEENFFEICDELGVKRPTSVKVFSGKSERSSGLLEWDSKSDALETLGFLN
 HYQMKNPNGPYPTLKLCFSTAQHAS

SGP**TRRRLE** - GFP Tag - V

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:


ACCN: NM_177301

ORF Size: 1758 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_177301.5](#), [NP_796275.3](#)

RefSeq Size: 2142 bp

RefSeq ORF: 1761 bp

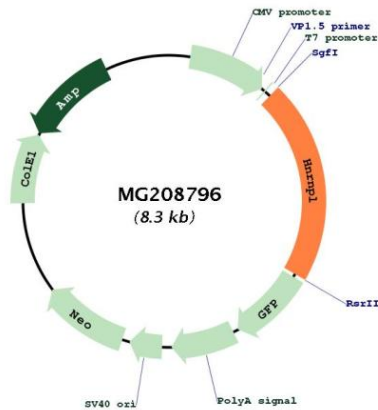
Locus ID: 15388

UniProt ID: [Q8R081](#)

Cytogenetics: 7 B1

Gene Summary: Splicing factor binding to exonic or intronic sites and acting as either an activator or repressor of exon inclusion (PubMed:22523384). Exhibits a binding preference for CA-rich elements. Component of the heterogeneous nuclear ribonucleoprotein (hnRNP) complexes and associated with most nascent transcripts. Associates, together with APEX1, to the negative calcium responsive element (nCaRE) B2 of the APEX2 promoter.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG208796