

Product datasheet for **MG224007**

Hnrnpul1 (NM_178089) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hnrnpul1 (NM_178089) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hnrnpul1
Synonyms:	E1B-AP5; E1BAP5; E130317O14Rik; Hnrnpul; Hnrpul1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG224007 representing NM_178089 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATGTGCGTCGCTGAAGGTGAACGAACCTTCGCGAGGAGCTGCAGCGCCGCGGCTGGACACTCGCG
GCCTGAAGGCCGAGCTTGCTGAGCGGCTGCTGGCGCGCTAGAGGCCGAGGAGCCGAAGACGAACGGGA
GCTCGAGGCTGACGACGATCCGGGGTTACCTGGGCACAACAACGAGGAGGTCGAGACCGAGGGGGCTCC
GAGCTGGAGGGGACCGCGCAGCCACCGCCGCCGGCTGCAGCCGACCCGGAGCCCGCGGCTACTCGG
GGCCGGACGGACATTATGTCATGGACAATATTACCAGACAGAACCAATTCTACGAGACACCAGTCATCAA
GCAAGAAAATGAGTCAAGCTATGATAGGAGACCACTAGACATGGAGCCACAGCAGCAAGTATATACCCCA
GAATTGAAGACAGAAAATGAAGCAAGAAGCCCCACCCAGCTTCTCCCCCTGAAGCCTCACAGCTCAAGA
CAGACAGACCACAATTCAGAATCGAAAGAGGCCCTTTGAAGAGAATCGAGGCCGTGGTACTTCGAGCA
CCGAGAGGATCGAAGGGGCCGCTCTCTCAGCCTCCTGCTGAAGAGGATGAAGATGACTTTGATGATACA
CTTGTTGGCATTGACACATAACTGTGACCTGCACTTCAAAGTGGCCGAGACCCGAGTAGTGGCTATC
CATTGACGATTGAGGGCTTTGCATACCTGTGGTCAGGAGCCCGTCCAGCTATGGGGTCAGAAGAGGGCG
TGTGTGTTTTGAAATGAAGATCAATGAGGAAATCTCCGTGAAGCATCTTCCATCTACAGAGCCCGACCCC
CACGTTGTCGGTATTGGCTGGTCTTGGACTCTTGACACTCAGCTAGGTGAAGAGCCCTTTTTCCTATG
GTTATGGAGGCACAGGGAAGAAGTCTACCAATAGCCGCTTTGAAAACACGGAGACAAATTTGCTGAGAA
CGATGTGATTGGCTGCTTTGCGGTACTGGAATTGCAGGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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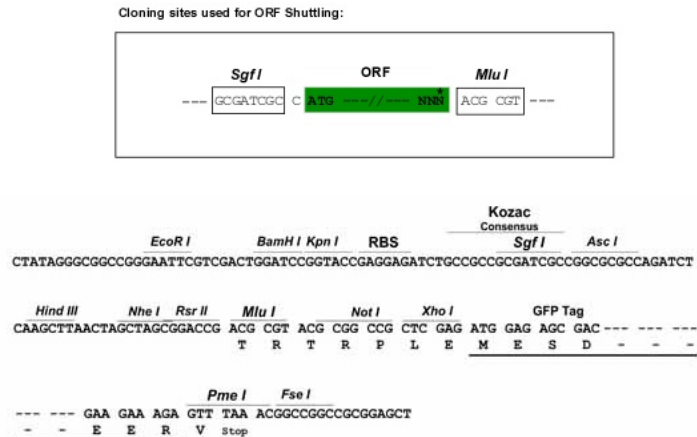
Protein Sequence: >MG224007 representing NM_178089
 Red=Cloning site Green=Tags(s)

MDVRRLLKVNELREELQRRGLDTRGLKAELAERLLAALEAEEPEDERELEADDDPGLPGHNNEEVETEGGS
 ELEGTAQPPPPGLQPHPEPGGYSKDPGHYVMDNITRQNQFYETPVIKQENESSYDRRPLDMEPQQQYYHP
 ELKTEMKQEAPPSFLPPEASQLKTRDPQFQNRKRPFEEENRGRGYFEHREDRRGRSPQPPAEDEDDFDDT
 LVAIDTYNCDLHFKVARDRSSGYPLTIEGFAYLWSGARASYGVRGRVCFEMKINEEISVKHLPSTEPDP
 HVYRIGWSLDSCSTQLGEEPFSGYGGTGKKSTNSRFENYGDKFAENDVIGCFVLELQV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_178089

ORF Size: 1020 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_178089.3](#)

RefSeq Size: 1233 bp

RefSeq ORF: 1023 bp

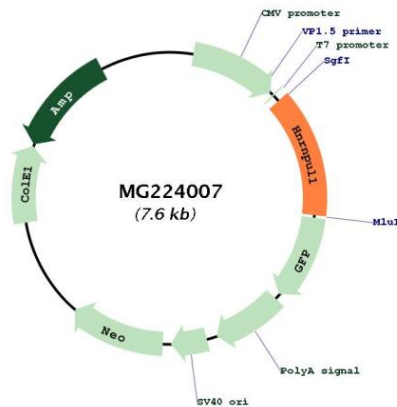
Locus ID: 232989

UniProt ID: [Q8VDM6](#)

Cytogenetics: 7 A3

Gene Summary: Acts as a basic transcriptional regulator. Represses basic transcription driven by several virus and cellular promoters. When associated with BRD7, activates transcription of glucocorticoid-responsive promoter in the absence of ligand-stimulation. Plays also a role in mRNA processing and transport. Binds avidly to poly(G) and poly(C) RNA homopolymers in vitro (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG224007