

Product datasheet for RR215397

Hp (NM_012582) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hp (NM_012582) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Hp
Synonyms: Ba1-647
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR215397 representing NM_012582
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGAGCCCTGGGAGCTGTCGTCCTCTCTGCTCTGGGGTCACTTTTTGCTGTGGAATTGGCAATG
ATGCCACAGACATTGAAGATGACAGCTGCCAAAGCCCCAGAGATTGCAAACGGCTATGTGGAACACTT
GGTTTCGTTATCGCTGCCGACAGTTCTACAACTACAGACCGAAGGAGATGGAATCTACACCTTAAACAGT
GAGAAGCAATGGGTGAACCCAGCTGCTGGCGATAAACTCCCAAGTGTGAGGCAGTGTGTGGGAAGCCCA
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CTGAACGTCTCAAGTATGTCATGCTGCTGCTGGCTGACCAGGAGAAGTGTGAGCTGCACTATGAGAAAAG
CACAGTGCCTGAGAAGAAAGCGCTGTAAGTCTGTTGGGTACAGCCATCTTGAATAAGCATACCTTC
TGTGCTGGCCTTACCAAGTATGAGGAAGACACTTGTATGGTGCAGCTGGCAGTGCCTTTGCCGTCCATG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence: >RR215397 representing NM_012582
Red=Cloning site Green=Tags(s)

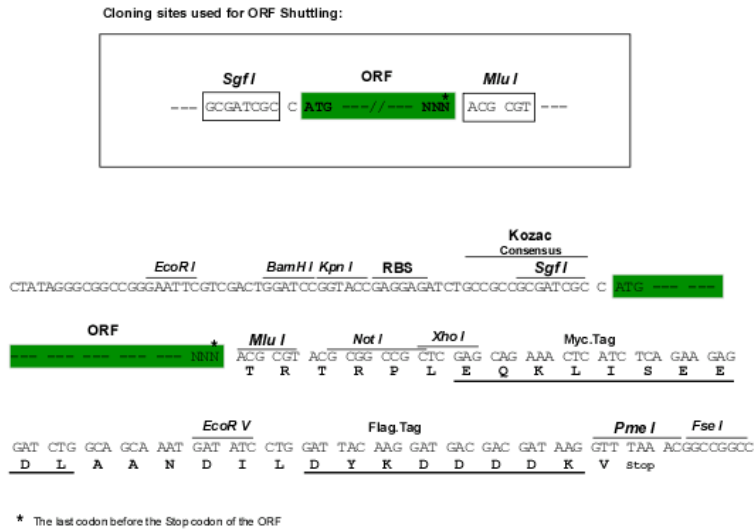
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 EKQWVNPAAAGDKLPKCEAVCGKPKHPVDQVQRIIGGSMADAKGSFPWQAKMISRHLTTGATLISDQWLLT
 TAQNLFLNHSENATAKDIAPTLTYVGNQLVEIEKVVLPERSVVDIGLIKLKQKVLVTEKVMPICLPS
 KDYVAPGRMGYVSGWGRNVNFRF TERLKYVMLPVADQEKCELHYEKSTVPEKKGAVSPVGVQPIILNKHTF
 CAGLTKYEEDTCYGDAGSAFAVHDT EEDTWYAAGILSFDKSCAVAEYGVYVRATDLKDWVQETMAKN

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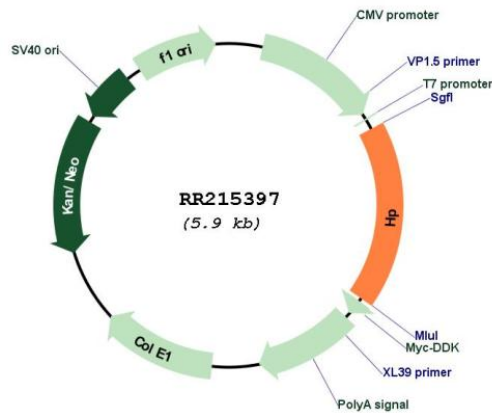
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_012582

ORF Size: 1041 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:	<ol style="list-style-type: none">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_012582.2 , NP_036714.2
RefSeq Size:	1239 bp
RefSeq ORF:	1044 bp
Locus ID:	24464
UniProt ID:	P06866
Cytogenetics:	19q12
MW:	38.6 kDa
Gene Summary:	may bind hemoglobin and mediate hemoglobin catabolism in lung cells; may play a role in inflammatory response [RGD, Feb 2006]