

## Product datasheet for **RR202549**

### Hpn (NM\_017112) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Hpn (NM\_017112) Rat Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Hpn  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 ORF Nucleotide Sequence: >RR202549 representing NM\_017112  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGAAGGAGGGTGGCCGACTGCACCATGCTGTTCCAGACCCAAGGTGGCAGCTCTCACTGTGGGGA  
 CCCTGCTGTTCTGACAGGCATTGGGGCTGCGTCCTGGGCCATTGTGACCATCCTACTACGGAGTGACCA  
 GGAGCCACTGTACCAAGTGCAGCTCAGTCCCAGGACTCTGACTTTTGGTGTGGACAAGACAGAGGGA  
 ACGTGGAGGCTGCTGTGCTCCTCACGCTCCAACGCCAGGGTAGCAGGGCTCGGCTGTGAGGAGATGGCT  
 TTCTCAGGGCTCTGGCGCACTCAGAGCTGGATGTGCGAACCAGGGCGCCAAACGGCACATCGGGCTTCTT  
 CTGCGTGGACGAGGGCGGTCTGCCTCTGGCTCAGCGGTTGCTGGATGTCATCTCTGTATGCGACTGTCT  
 AGAGGCCGATTCTGACTGCCACCTGCCAAGACTGTGGCCGAGGAAGCTGCCGGTGGATCGCATTGTGG  
 GGGGCCAGGACAGCAGCCTGGGAAGATGGCCATGGCAGGTGAGCCTGCGTTATGATGGGACCCACCTCTG  
 TGGGGGATCCCTGCTGTCCGGGACTGGTACTGACCGCTGCACACTGCTTCCAGAGAGGAACCGGGTC  
 CTGTCTCGGTGGCGAGTATTTGCTGGTGTGTAGCCCGACCTCACCTCATGCCGTGAGCTGGGGTTC  
 AGGCTGTGATCTATCATGGGGCTACCTCCCTTTCGAGACCCTACTATCGACGAAAACAGCAATGACAT  
 TGCCCTGGTCCACCTCTTAGCTCCCTGCCTCTCACAGAATACATCCAGCCGGTTTGTCTCCCTGCTGCG  
 GGACAGGCCCTGGTGGACGGCAAGGTCTGTACAGTGACCGGCTGGGGTAACACACAGTTCTATGGCCAGC  
 AAGCTGTGGTGTCCAAGAGGCCCGGGTCCCCATCATAAGCAACGAAGTTTGAACAGCCCCGACTTCTA  
 CGGGAATCAGATCAAACCAAGATGTTCTGTGCTGGCTATCCTGAGGGTGGTATTGATGCATGCCAGGGT  
 GACAGCGGAGGCCACTTTGTATGTGAGGACAGAATCTCTGGAACATCAAGATGGCGGCTCTGCGGCATTG  
 TAAGCTGGGGTACGGGCTGTGCTTTGGCCCGGAAGCCGGGAGGTACACCAAAGTCATTGACTTCCGGGA  
 GTGGATCTCCAGGCCATAAAGACTCACTCCGAAGCTACCGGCATGGTAACTCAGCCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR202549 representing NM\_017112  
Red=Cloning site Green=Tags(s)

MAKEGGRTAPCCSRPKVAALTVGTLLFLTGIGAASWAIVTILLRSDQEPLYQVQLSPGDSRLLVLDKTEG  
 TWRLLCSSRSNARVAGLGCEEMGFLRALAHSELDVRTAGANGTSGFFCVDEGGLPLAQRLLDVISVCDPC  
 RGRFLTATCQDCGRRKLPVDRIVGGQDSSLGRWPWQVSLRYDGTSLCGGSLLSGDWVLTAAHCFPERNRV  
 LSRWRVFAGAVARTSPHAVQLGVQAVIYHGGYLPFRDPTIDENSNDIALVHLSSSLPLTEYIQPVCLPAA  
 GQALVDGKVCTVTGWGNTQFYGQQAVVLQEARVPIISNEVCNSPDFYGNQIKPKMFCAGYPEGGIDACQG  
 DSGGHFVCEDRISGTSRWRLCGIVSWGTCALARKPGVYTKVIDFREWIFQAIKTHSEATGMVTQP

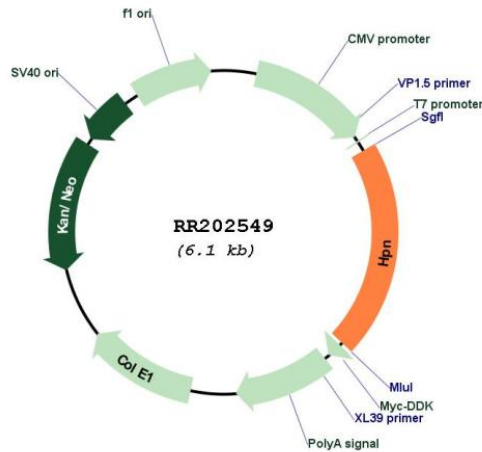
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_017112

<b>ORF Size:</b>	1248 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_017112.1</a> , <a href="#">NP_058808.1</a>
<b>RefSeq Size:</b>	1739 bp
<b>RefSeq ORF:</b>	1251 bp
<b>Locus ID:</b>	29135
<b>UniProt ID:</b>	<a href="#">Q05511</a>
<b>Cytogenetics:</b>	1q21
<b>MW:</b>	44.9 kDa
<b>Gene Summary:</b>	cell surface serine proteinase [RGD, Feb 2006]