

## Product datasheet for **MC226202**

### Hpca (NM\_001286081) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Hpca (NM\_001286081) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Hpca  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC226202 representing NM\_001286081  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGCAAGCAGAACAGCAAGCTGCGGCCAGAGATGCTGCAGGACCTGCGAGAGAACACGGAGTTCTCTG  
AGCTGGAGCTACAGGAGTGGTACAAGGGCTTCTGAAGGACTGCCCACTGCCATCCTCAACGTGGATGA  
GTCAAGAAGATCTACGCCAATTCTTCCCTATGGCGACGCCTCCAAGTTTGCCGAGCAGCTCTCCGC  
ACCTTTGACACCAACAGCGACGGCACCATCGACTTCCGGGAGTTCATCATTGCTCTGAGCGTGACCTCGC  
GTGGCCGCTGGAGCAGAAGCTCATGTGGCCCTCAGCATGTATGACCTGGATGGCAATGGCTACATCAG  
CCGGGAGGAGATGCTAGAAATTGTGACGGCCATTTACAAGATGGTTTCGTCCGTGATGAAAATGCCCGAG  
GATGAGTCGACCCCGAAAAGAGGACTGAGAAAATCTTCCGCCAAATGGACACAAACAATGACGGCAAGC  
TGTCGCTGGAGGAGTTCATCCGCGGAGCCAAAAGCGACCCATCCATCGTGCGCTGCTGCAGTGTGATCC  
CAGCAGCGCCTCCAGTTC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001286081  
**Insert Size:** 582 bp  
**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>	<u><a href="#">NM_001286081.1</a></u> , <u><a href="#">NP_001273010.1</a></u>
<b>RefSeq Size:</b>	1568 bp
<b>RefSeq ORF:</b>	582 bp
<b>Locus ID:</b>	15444
<b>UniProt ID:</b>	<u><a href="#">P84075</a></u>
<b>Cytogenetics:</b>	4 D2.2
<b>Gene Summary:</b>	<p>Calcium-binding protein that may play a role in the regulation of voltage-dependent calcium channels. May also play a role in cyclic-nucleotide-mediated signaling through the regulation of adenylate and guanylate cyclases.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1, 2, 3 and 4 encode the same protein.</p>