

## Product datasheet for RN211931

### Hand1 (NM\_021592) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hand1 (NM_021592) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Hand1
Synonyms:	eHand
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN211931 representing NM_021592 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAACCTCGTGGGCAGCTACGCACACCATCACCACCATCACCCTCACACCCGCCGACCCCATGCTGC  
ACGAACCTTCTCTTTGGTCCGGCCTCGCGTTGCCACCAGGAGCGGCCTTACTTCCAGAGCTGGCTGCT  
GAGCCCGCTGATGCTGCCCCAGATTTCCCTGCCGGCGGGCCACCACCTACCACCGCAGTAGCAGCGGT  
GCCTATGGTCCCGATGCCAGGCCGAGTCAGAGCCAGGTCGGCTGGAGGCTCTTGAGGGCCGCTGCCCA  
GGCGAAAAGGTTCAAGACCCAAAAGGAGCGGAGGCGCACAGAGAGCATTAAACAGTGCCTTCGGGAGCT  
GCGTGAGTGATCCCAATGTGCCTGCGGACCAAGCTCTCAAGATCAAGACTCTGCGCTGGCCACC  
AGCTACATCGCCTACTTGATGGACGTGCTGGCCAAGGATGCACAAGCAGGTGACCCCGAGGCCTTCAAGG  
CTGAACTAAAAAGACGGATGGCGGTCCGCGAAAGCAAGCGGAAAAGGGAGTCGCCTCAGCAGCACGAAGG  
CCTTCTCCTGCCCTGGGGCCAAGCGAGAAGAGGATTAAGGACGCACTGGCTGGCCTCAGCAAGTCTGG  
GCGCTGGAGCTAAATCAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_021592
Insert Size:	651 bp



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<b>OTI Disclaimer:</b>	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).
<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_021592.2</a> , <a href="#">NP_067603.1</a>
<b>RefSeq Size:</b>	1102 bp
<b>RefSeq ORF:</b>	651 bp
<b>Locus ID:</b>	59112
<b>UniProt ID:</b>	<a href="#">P97832</a>
<b>Cytogenetics:</b>	10q22
<b>Gene Summary:</b>	basic Helix-Loop-Helix (bHLH) transcription factor; essential for normal cardiac and extraembryonic development [RGD, Feb 2006]