

## Product datasheet for **RN212889**

### **Hrh1 (NM\_017018) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Hrh1 (NM_017018) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Hrh1
Synonyms:	Hisr
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN212889 representing NM\_017018  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGCTTTGCCAATACCTCCTCTACCTCGAAGACAAGATGTGTGAGGGGAACAGGACAGCCATGGCCA  
 GCCCTCAGCTGCTGCCCTGGTGGTGGTTCTCAGTAGTATCTCCCTGGTACAGTGGGCCTCAACCTGCT  
 GGTGCTGTACGCTGTGCACAGTGAACGCAAGCTACACACCGTGGGCAACCTATACATTGTGAGCCTGTCT  
 GTGGCAGACCTGATTGTAGGGGAGTGTGATGCCCATGAACATCCTCTATCTCATGACTAAGTGGT  
 CCTTGGGCGCCCTCTGCCTCTTTGGCTTTCTATGGATTATGTGGCCAGCACAGCATCCATCTTTAG  
 CGTCTTCATCCTGTGATTGATCGCTACCCTCCGTCCAGCAACCCCTCCGGTACCTGAGGTACCGAACC  
 AAGACCCGGGCTCCGCTACCATCCTGGGGCCTGGTTCTTCTCCTTCTGTGGTTATACCCATACTTG  
 GCTGGCATCACTTCATGCCCCAGCCCCAGAGCTTCGGGAAGACAAGTGTGAGACAGACTTCTACAATGT  
 CACTTGGTTCAAGATCATGACTGCTATTATTAACCTTCTACCTCCCCTTTGCTTATGCTGTGGTCTAT  
 GTGAAGATCTACAAGGCTGTGCGGCGACTGTCAGCACCCGACGCTCACCAACGGGTCCCTCCCTTCT  
 TTTGAGAACTCAAGCTGAGGTCAGACGATACCAAGGAAGGTGCCAAGAAACCTGGGAGAGAGTCTCCCTG  
 GGGGTTCTGAAAAGGCCATCAAGAGACCCAGTGTAGGACTGGATCAGAAGTCAACATCTGAAGACCC  
 AAGATGACCTCTCCAAGTGTCTTCAGCCAAGAGGGGAAAGGGAAACACGTCCTGTTCCGTCTCGACA  
 TCATGCAGAAACAGTCTGTGGCTGAGGGAGATGTGAGGGCTCAAAGGCCAATGATCAGGCCCTGAGCCA  
 GCCCAAAATGGATGAGCAGAGCCTGAATACTTGTGCGCGGATCAGTGAGACATCAGAGGATCAGACCTTG  
 GTGGATCAACAGTCTTCTCCCGGACCAGACTCAGACACAAGCATAGAGCCAGGGCCGGCAGAGTCA  
 AATCGAGAAGCGGGTCTAACAGTGGCTGGATTACATCAAAATCACCTGGAAGAGGCTCCGCTCACACTC  
 CAGACAGTATGTGTCGGGCTGCACTTGAACCGAGAGCGGAAGGACGCCAAGCAGTTGGGTTTTATCATG  
 GCGGCCTTCATTCTGCTGGATTCCCTATTTTCATCTTTCATGGTCATTGCCTTCTGCAAGAGCTGCT  
 GCAGTGAACCCATGCATATGTTACCATTTGGCTGGGCTACATCAACTCCACGCTGAACCCCTCATCTA  
 CCCCTGTGCAACGAGAAGTTCAGAAGACATTCAAAAAGATTCTGCACATTCGTTCC**TAA**

**ACGGT**ACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_017018

**Insert Size:** 1461 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).

**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\\_017018.1](#), [NP\\_058714.1](#)

RefSeq Size: 1461 bp

RefSeq ORF: 1461 bp

Locus ID: 24448

UniProt ID: [P31390](#)

Cytogenetics: 4q42

Gene Summary: activates nitric oxide synthase via G-protein coupled signaling pathways; plays a role in interneuronal coupling [RGD, Feb 2006]