

Product datasheet for **RN214771**

Arg2 (NM_019168) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Arg2 (NM_019168) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Arg2
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >RN214771 representing NM_019168
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTTCTGAGGAGCAGCGTCTCCCGTCTCTCCACGGGCAAATTCCTTGTGCCCTGACGAGATCCGTCC
 ACTCTGTAGCTGTAGTCGGAGCCCCTTTCTCTCGGGACAGAAAAAGAAAGGAGTGGAAATATGGCCAGC
 CGCCATCCGAGAAGCTGGCTTGCTGAAGAGGCTTCTATGTTGGGATGCCATATAAAAGACTTTGGAGAC
 TTGAGTTTTACTAACGTTCCCAAAGATGATCCCTACAATAATCTGGTCGTGTATCCTCGCTCAGTGGGCA
 TTGCCAACCGAACTGGCTGAGGTGGTTAGTAGAGCTGTGTCAGGTGGCTACAGCTGTGTCACACTGGG
 AGGAGACCACAGCCTGGCAATCGGTACCATAGTGGCCATGCCCGACACCACCCAGATCTCTGTGCATC
 TGGGTTGATGCTCATGCTGACATTAATACACCCTCACCCTGTATCAGGAAATATCCATGGGCAGCCTC
 TTTCTTTCTCATCAGAGAACTACAAGACAAGGTACCACAACGCCAGGATTTTCTGGATCAAACCTTG
 CCTCTCTCCCCAAATCTGTATACATTGGCTTACGAGATGTGGAGCCTGCCGAACCTTTATTTTAAAG
 AGTTTTGACATCCAGTATTTCTCATGAGAGATATTGATCGACTTGGTATCCAGAAGGTCATGGAACAGA
 CATTTGATCGGCTGATTGGCAAGAGGAAGAGGCCGATCCACCTGAGCTTTGACATAGATGCATTTGACCC
 TAAGCTGGCTCCAGCCACAGGAACCCCTGTGGTAGGGGGCTGACCTACAGAGAAGGACTGTACATTACT
 GAAGAAATACATAGCACAGGGTTGCTGTGCGCTCTGGATCTTGTGAAGTCAATCCTCATTGGCCACTT
 CTGAGGAAGAGGCCAAGGCTACAGCCAGCCTAGCAGTGGATGTGATTGCTTCAAGTTTTGGTCAGACAAG
 AGAAGGCCGACACATTGCCTATGACCACCTTCTACTCTAGTTCACCACATGAATCAGAAAAGGAAGAA
 TGTGTGAGAATT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_019168
 Insert Size: 1065 bp



[View online »](#)

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:	<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:	<u>NM_019168.1</u> , <u>NP_062041.1</u>
RefSeq Size:	1463 bp
RefSeq ORF:	1065 bp
Locus ID:	29215
UniProt ID:	<u>O08701</u>
Cytogenetics:	6q24
Gene Summary:	catalyzes the hydrolysis of arginine to ornithine and urea; may regulate nitric oxide production [RGD, Feb 2006]