

## Product datasheet for **RN203143**

### **Ephx2 (NM\_022936) Rat Untagged Clone**

#### **Product data:**

|                    |                                      |
|--------------------|--------------------------------------|
| Product Type:      | Expression Plasmids                  |
| Product Name:      | Ephx2 (NM_022936) Rat Untagged Clone |
| Tag:               | Tag Free                             |
| Symbol:            | Ephx2                                |
| Vector:            | pCMV6-Entry (PS100001)               |
| E. coli Selection: | Kanamycin (25 ug/mL)                 |
| Cell Selection:    | Neomycin                             |



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**Fully Sequenced ORF:** >RN203143 representing NM\_022936  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCGCTGCGTGTGCCGCGTTGACCTTGACGGAGTGTGCCCTCCCCTCTATAGCCGGGGTCTGC  
 GCCACACCGAGGAGGCCCTGGCGCTGCCAGAGACTTCCTACTTGGCGCTTCCAGATGAAATCCAGAG  
 GGGACCCACTGAGCAACTCATGAAAGGAAAGATCACATTTCCAGTGGGTACCACTCATGGATGAAAGC  
 TGCAGGAAGTCTCCAAAGCCTGTGGAGCCAGTCTACCTGAGAATTTCTCCATAAGTAAATATTCAGCC  
 AAGCCATGGCAGCAAGAAGCATCAACCGCCCCATGCTTCAGGCAGCTGCTGCTCTAAAAAGAAAGGATT  
 CACAACGTGCATTGTACCAACAACCTGGCTGGACGACAGTGACAAGAGAGACATCCTGGCCAGATGATG  
 TGTGAGCTGAGCCAACACTTTGACTTCTCATAGAGTCTGTGAGTCCGGATGATCAAGCCTGAGCCTC  
 AGATCTACAAGTTTGTACTGGACACCCTGAAGGCAAAACCAATGAGGTTGTTTTCTAGATGACTTTGG  
 AAGTAATCTGAAGCCAGCCCGTGCATGGGGATGGTTACCATCCTGGTCCGCGACACAGCCTCGGCTTTG  
 AGAGAACTGGAGAAAGTACAGGGACACAGTTTCTGAGGCACCTCTGCCAGTCCCCTGCAGTCCAATG  
 ATGTCAGCCATGGGTATGTGACAGTGAAGCCAGGGATCCGCTCTGCACTTTGTGGAGATGGCTCTGGCC  
 TGCTATATGCCTCTGTATGGGTTTCTGAGAGCTGGTTTTCTTGGAGGTACCAGATCCCTGCTCTGGCC  
 CAGGCGGGCTTTCGTGTTCTAGCTATAGACATGAAAGGCTATGGAGACTCATCTTCTCCTCCAGAAATAG  
 AAGAATATGCTATGGAATTGCTGTGTGAGGAGATGGTGACATTCCTGAATAAACTGGGAATCCCTCAAGC  
 AGTGTTCATTGGCCATGACTGGGCTGGTGTGCTGGTGTGGAATATGGCTCTTCCACCCTGAGAGAGTG  
 AGGGCTGTGGCCAGTTTGAACACTCCATTAATGCCACCAATCCTGAGGTGTCCCCATGGAAGTTATCA  
 GATCGATCCCAGTTTTCAACTATCAGCTGACTTTCAAGAGCCAGGAGTGGCTGAGGCTGAAGTGAATAA  
 GAACATGAGTCGGACTTTCAAAAGCTTCTCCGAACCAAGTATGATATGGGTCTCCTCACTGTGAATAAA  
 GCCACTGAAATGGGGGAATCCTTGTGGAACTCCAGAAGATCCCAAGGTGAGCAAAATTAAGTACTGAGG  
 AGGAAATAGAGTATTACATACAGCAGTTCAAGAAGTCTGGCTTCAGAGGCCCTCTAAACTGGTATCGAAA  
 CACAGAAAGAACTGGAAGTGGAGCTGTAAGGCGTTGGGAAGGAAGATCTTGGTCCCTGCCCTGATGGTC  
 ACAGCTGAGAAGGACATTGTACTCCGCTCTGAAATGTCCAAGAACATGGAAGTGGATCCCTTCTCTGA  
 AAAGGGGACACATCGAAGACTGTGGTCACTGGACACAGATAGAGAAACCGGCAGAGGTGAACCAGATTCT  
 CATCAAGTGGCTGAAGACTGAAATCCAGAACCATCGGTGACCTCAAGATT**AG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_022936

**Insert Size:** 1665 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\\_022936.1](#), [NP\\_075225.1](#)

**RefSeq Size:** 1992 bp

**RefSeq ORF:** 1665 bp

**Locus ID:** 65030

**UniProt ID:** [P80299](#)

**Cytogenetics:** 15p12

**Gene Summary:** catalyzes the hydrolysis of an epoxide to a glycol; plays a role in regulation of blood pressure [RGD, Feb 2006]