

Product datasheet for **RN216705**

Ephx1 (NM_001034090) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ephx1 (NM_001034090) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ephx1
Synonyms:	mEH; MEH8
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN216705 representing NM_001034090
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGCTGGAACCTGTCTGGCTTCCCTTCTGGCTTTGTCATCTACTGGTTTGTCTCCGGGACAAGG
 AGGAAACCTTACCACTAGGAGATGGATGGTGGGGCCAGGGTCAAAGCCATCAGCCAAAGAAGATGAGAG
 CATCCGGCCCTTCAAGGTGGAAACATCAGATGAGGAGATCAAGGACTTACACCAGAGGATAGATAGGTTCC
 CGGGCATCCCCACCTTTGGAGGGCAGCCGCTTCCACTATGGCTTCAACTCCAACATACATGAAGAAAGTGG
 TGTCTACTGGAGGAACGAGTTTACTGGAGGAAGCAGGTGGAGATCCTCAACAGTACCCTCACTTCAA
 GACCAAGATCGAAGGGCTTGACATCCACTTCATCCATGTGAAGCCTCCCAAGCTGCCCTCAGGGCGCACC
 CCAAAGCCCTTGCTGATGGTGCATGGCTGGCCTGGATCCTTCTATGAGTTTTACAAGATCATCCACTAC
 TGACTGACCCCAAGTCCCAGGCTGAGTGACGAGCACGTGTTTGAAGTCATCTGTCCCTCGATTCTCGG
 CTATGGCTACTCAGAGGCATCCAGCAAGAAAGTTTAAATTCGGTGGCCACTGCGAGGATTTTCTACAAG
 CTGATGACACGGCTGGGCTTCCAGAAATTTACATTCAAGGCGGGGACTGGGGTCCCTCATCTGCACCA
 ACATGGCCAGATGGTTCCCAACCACGTGAAAGGCCTGCCTTAAATATGGCTTTCAATTCGAGAAGTTT
 TTACACCATGACTCCTCTCCTGGGCAACGCTTCGGGAGATTCCTTGGCTACACAGAGAAGGATATCGAG
 CTCTTGTACCCCTATAAGGAGAAGGTTTTCTACAGCATCATGAGGGAGAGTGGCTACTTACACATCCAAG
 CCACCAAGCCAGACACTGTGGGCTGTGCTCTCAATGACTCTCCCGTGGGCTGGCTGCCTACATCTTAGA
 GAAGTTCTCCACCTGGACCAAGTCAAGTACCCTGAACTGGAGGATGGAGGCCTGGAGAGGAAGTTCTCC
 CTGGATGATCTGCTGGTTAACATCATGATCTACTGGACGACAGGAACCATTGTCTCTCCCAACGCTACT
 ACAAGGAGAATTTGGGCCAGGGCATCATGGTCCATAAACATGAGGGGATGAAGGCTTTTGTGCCACTGG
 CTTTTAGCCTTCCCTTCCGAGCTACTGCATGCCCCAGAAAAGTGGGTGAAGTCAAGTACCCCAACTC
 ATCTCCTATTCTACATGGAACGTGGGGCCACTTTGCTGCCTTTGAAGGCCAAGCTTCTGGCCAGG
 ACATCCGCAAGTTCGTGCTCCCTGGCTGAGCTGCAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001034090
- Insert Size:** 1368 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001034090.3](#), [NP_001029262.1](#)

RefSeq Size: 1732 bp

RefSeq ORF: 1368 bp

Locus ID: 25315

UniProt ID: [P07687](#)

Cytogenetics: 13q26

Gene Summary: catalyzes the hydration of a wide range of xenobiotic arene oxides [RGD, Feb 2006]
Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.