

Product datasheet for **MR219275**

Ephx4 (NM_001001804) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ephx4 (NM_001001804) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ephx4
Synonyms:	Abhd7; Ephxrp; Gm1382
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR219275 representing NM_001001804 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGCCCCGCGCGCCCGCCCGCCTGCTGCCGCGCTGCGCGCCCTGCTCTACTGGTCCCTGGTGTACG
 GCTACTGCGGGCTGTGCGCCTCCGTCCACCTGCTCAAACCTTTGTGGAGCATCGGTAGGGCGCCGCGCA
 GACCTTCGCGGGCGGCCGCGCAACCCTCCGGCTGCCTGAACGACCCCTCCTTAGGGACTCACTGC
 TACGTGCGCATCAAGGACTCCGGGTTAAGATTTCACTATGTTGCTGCTGGAGAAAGGGCAAACCGCTCA
 TGCTGCTGCTTCATGGATTTCCAGAATTCTGGTATTCTTGGCGCCATCAACTGAGAGAATTTAAAGCGA
 ATACAGGGTTGTTGCATTGGATTTGAGAGGTTATGGAGAGTCTGATGCACCTGCTCATCAAGAGAGTTAC
 AAAGTGGACTGTCTAATTGCAGACATAAAGGATATTTGGACTCCTTAGGGTATAGCAAATGTGTCTGA
 TCGGCCATGACTGGGGAGGCATGATTGCCTGGCTGATTGCTGTCTGTACCCTGAGATGATAATGAAGCT
 CATTGTTATTAACCTCCACATCCAAGTGATTTACAGAGTATATACTGCGGCATCCTGCCAGCTGTTT
 AGATCCAGCTTTTATTACTTCTTCCAAATACCACGCTTCCAGAAATTTATGTTCTCAATTAATGATTTTA
 AGGCTTTGAAACATCTGTTTACCAGTCAGAGTACTGGCATTGGAAGGAAAGGACGCCAGCTGACAACAGA
 AGATCTAGAAGCTTACGTTTATGCTTTTCTCAGCCTGGAGCACTAAGTGGTCCAATTAACCATTTATCGA
 AACATTTTCAGCTGCCTGCCTCTCAAACATCACATGGTGACCACCCCAACTGCTTCTGTGGGGAGAGG
 AAGATGCGTTTATGGAGGTAGAGATGGCCGAGGTACAAAGATTTATGTTAAAAACTATTTCACTACAC
 CATTTTGTGAGAAGGTAGCCACTGGCTTCAGCAAGACCAGCCTGACATAGTGAATGGACTGATATGGGCA
 TTCCTGAAGGAAGAAACAAGGAGAGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >MR219275 representing NM_001001804
 Red=Cloning site Green=Tags(s)

MAPPPRPLLALRALLYWSLVGYCGLCASVHLLKLLWSIGRAPAQTFRRRAARNPACLNDSLGLTHC
 YVRIKDSGLRFHYVAAGERGKPLMLLLHGFPEFWYSWRHQLREFKSEYRVVALDLRGYGESDAPAHQESY
 KLDCLIADIKDILDSLGYSKCVLIGHDWGGMIAWLIACVPEMIMKLIVINFPHPVSFTEYILRHPAQLF
 RSSFYFFQIPRFPEFMFSINDFKALKHLFTSQSTGIGRKGRLTTEDLEAYVYVFSQPGALSGPINHYR
 NIFSCLPLKHHMVTPTLLWGEEDAFMEVEMAEVTKIYVKNYFRLTILSEGSHWLQQDQPDIVNGLIWA
 FLKEETRRD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9019_f08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001001804

ORF Size: 1077 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_001001804.2, NP_001001804.2

RefSeq Size: 1262 bp

RefSeq ORF: 1080 bp

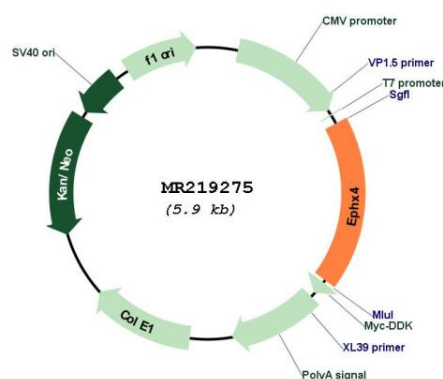
Locus ID: 384214

UniProt ID: Q6IE26

Cytogenetics: 5 E5- F

MW: 41.9 kDa

Product images:



Circular map for MR219275