

Product datasheet for MG219275

Ephx4 (NM_001001804) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ephx4 (NM_001001804) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ephx4
Synonyms:	Abhd7; Ephxrp; Gm1382
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG219275 representing NM_001001804 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCCCCGCGCGCCCCGCCCTGCTGCCGCGCTGCGCGCCCTGCTCTACTGGTCCCTGGTGTACG
 GCTACTGCGGGCTGTGCGCCTCCGTCCACCTGCTCAAACCTTTGTGGAGCATCGGTAGGGCGCCGGCGCA
 GACCTTCGCGGGCGGCCGCGCAACCCTCCGGCGTGCCTGAACGACCCCTCCTTAGGGACTCACTGC
 TACGTGCGCATCAAGGACTCCGGGTTAAGATTTCACTATGTTGCTGCTGGAGAAAGGGCAAACCGCTCA
 TGCTGCTGCTTCATGGATTTCCAGAATTCTGGTATTCTTGCGCCATCAACTGAGAGAATTTAAAGCGA
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 TCGGCCATGACTGGGGAGGCATGATTGCCTGGCTGATTGCTGTCTGTACCCTGAGATGATAATGAAGCT
 CATTGTTATTAACCTCCACATCCAAGTGATTTACAGAGTATATACTGCGGCATCCTGCCAGCTGTTT
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 AACATTTTCAGCTGCCTGCCTCTCAAACATCACATGGTGACCACCCCAACTGCTTCTGTGGGGAGAGG
 AAGATGCGTTTATGGAGGTAGAGATGGCCGAGGTCACAAAGATTTATGTTAAAACTATTTCAGACTCAC
 CATTTTGTGAGAAGGTAGCCACTGGCTTCAGCAAGACCAGCCTGACATAGTGAATGGACTGATATGGGCA
 TTCCTGAAGGAAGAAACAAGGAGAGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >MG219275 representing NM_001001804
 Red=Cloning site Green=Tags(s)

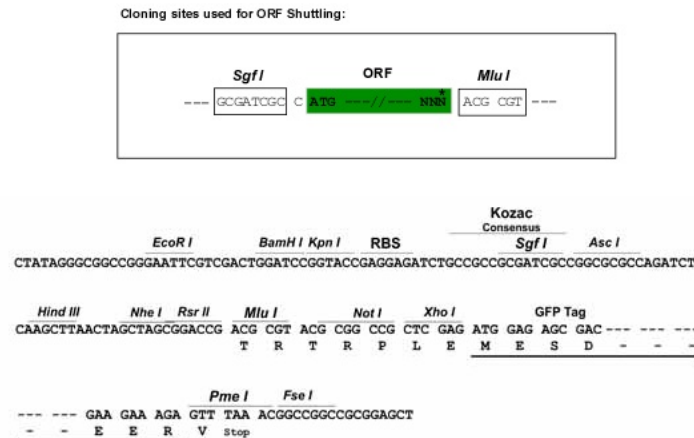
MAPPPRPLLALRALLYWSLVYGYCGLCASVHLLKLLWSIGRAPAQTFRRRAARANPPACLNDPSTLGH
 YVRIKDSGLRFHYVAAGERGKPLMLLLHGFPEFWYSWRHQLREFKSEYRVVALDLRGYGESDAPAHQESY
 KLDCLIADIKDILDSLGYSKCVLIGHDWGGMIAWLIACVPEMIMKLIVINFPHPVSFTTEYLHPAQLF
 RSSFYFFQIPRFPEFMFSINDFKALKHLFTSQSTGIGRKGRQLTTEDLEAYVYVFSQPGALSGPINHYR
 NIFSCLPLKHHMVTPTLLWGEEDAFMEVEMAEVTKIYVKNYFRLTILSEGSHWLQDQPDIVNGLIWA
 FLKEETRRD

TRTRPLE – GFP Tag – V

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

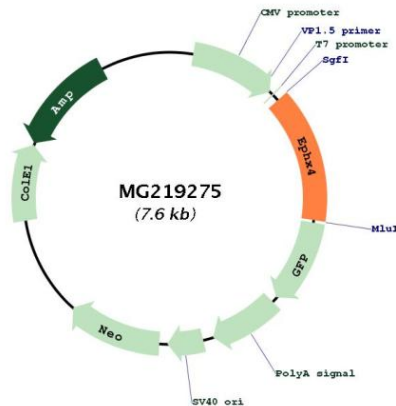
RefSeq ORF: 1080 bp

Locus ID: 384214

UniProt ID: Q6IE26

Cytogenetics: 5 E5- F

Product images:



Circular map for MG219275