

Product datasheet for MR231476

Epha10 (NM_001256432) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Epha10 (NM_001256432) Mouse Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Epha10
 Synonyms: A330090H18
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >MR231476 representing NM_001256432
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAGACTGGCGCCGGTCCACACCCGCTGCGCCTGTTTCGTCTGCCTGATACCACTCTGCCTTGCTCTGC
 TTCTGGGACCTGGGCGCCCGGGACCGCCAAGAAGTTATCCTCCTGGACTCCAAAGCCTCCAGGCTGA
 GCTGGGCTGGACTGCACTGCCAAGCACTGGGTGGGAGGAGATTAGTGGCGTGGATGAACACGACCGTCCC
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 GCCCGCGCCGCGGGCAGCGCATCTTCGTGGAGCTGCAGTTCACACTGCGCGACTGCAGTAGCATACCCAGG
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 GGGTGAAGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGAT AAGTTTAA

Protein Sequence:

>MR231476 representing NM_001256432
 Red=Cloning site Green=Tags(s)

METGAGPHPLRFLVCLIPLCALALLGPRPGTAEVILLDSKASQAEWGWTALPSTGWEEISGVDEHDRP
 IRTYQVCNVLEPNQDNWLQGWISRGRGQRIFVELQFTLRDCSSIPGATGTCKETFNAYYLETETDLGRG
 RPRLGGNRPRKIDTIAADESFTQDGLGERKMKLNTEVREIGPLSRQGFHLAFQDVGACVALVSVRYYYKQ
 CRATVRGLAAFPATAAESAFSTLVEVAGTVAHSEGEPPSPRMHCGADGEWLVPVGRSCSAGFQEHGD
 ICEACPPGFYKVSPPRPLCSPCPEHSLALENASTFCVCQDITYARSPTDPPSASCTRPPSAPRDLQYSLSR
 SPLALRLRWLPPADSGGRSDVTYSLLCLRCGRDPAGACQPCGPRVAFVPRQAGLRERAATLLHLRPGAR
 YTVRVAALNGVSGPAAAAGATYAQVTVSTGPGAPWEDEIRRDRVEPQSVLSWREPVPAGAPGTNSTEY
 EIRYYEKQSEQTYSTVKTGAPAVTVTNLKPATRYVFIQIRAAAPGLWEAQSFSPSIEVQTPGEVAPGSR
 DQSPAVVVTVTISALLVLSVMSVLAIWRRPCDGKSGNAHDEEELYHFKVPTRRFTLDPQSCGDPLQ
 AVHLFAKELDAKSVTLEKSLGAGRFGDLCCGCLQLPGRQELPVAVHTLRDGCSDSQRLSFLAEALTLGQF
 DSHIVRLEGVVTRGNPLMIVTEYMNLGALDDFLRHHEGELVAAQLMGLLPGLASAMKYLSEMGYVHRGL
 AARRVLVSSGLLCKISGFGRGPRDRAEAVYTTMSGRSPALWAAPETLQFGHFSSASDVWFSFGIVMWEVMA
 FGERPYWDMGQDVIKAVEDGFRLPPRNCPSQLHRLMLECWQKDPSEPRFSQIHSILSKMQEPEPSK
 CASTTCLRPPTLADRAFSTFSPFGSVGAWLEALDLCRYKDNFSAAGYGSLEAVAEMTAQDLGSLGISSA
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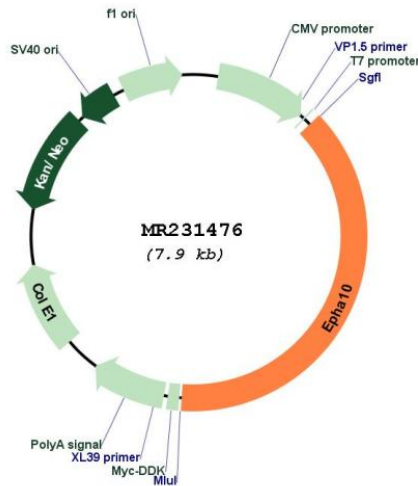
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001256432

ORF Size: 3021 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:	<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_001256432.2</u>
RefSeq Size:	5186 bp
RefSeq ORF:	3024 bp
Locus ID:	230735
Cytogenetics:	4 D2.2
MW:	109.5 kDa
Gene Summary:	Receptor for members of the ephrin-A family. Binds to EFNA3, EFNA4 and EFNA5 (By similarity).[UniProtKB/Swiss-Prot Function]