

## Product datasheet for MR226138

### Epha3 (NM\_010140) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Epha3 (NM_010140) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Epha3
Synonyms:	AW492086; Cek4; End3; ETK1; Hek; Hek4; Mek4; Tyro4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR226138 representing NM_010140 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATTGTCACCTCTCCATCCTCGTCCTGCTCGGCTGCTGTGTCCTCAGCTGCTCCGGAGAACTGAGCC  
CACAGCCTTCCAACGAAGTTAATCTACTAGATTCGAAAACAATTCAAGGAGAGCTGGGCTGGATCTCCTA  
CCCATCCCATGGGTGGGAAGAGATCAGTGGTGTGATGAACATTACACACCAATCAGGACTTACCAGGTG  
TGCAATGTCATGGATCACAGCCAAAATAATTGGCTGAGGACAACTGGGTACCCAGAACTCAGCTCAGA  
AGATCTATGTGGAGCTAAAGTTCACACTCGGGACTGTAACAGCATTCCATTGGTTTTGGGACTTGCAA  
GGAGACCTTTAACCTGTACTACATGGAGTCTGATGATGATCATGGCGTCAAATCCGAGAGCATCAGTTC  
ACGAAGATTGACACCATTGCCGCTGATGAAAGTTTCACTCAGATGGATCTCGGGATCGCATTCTGAAAC  
TCAACTGAGATTAGAGAAGTGGGACCACTCAACAAAAAGGGTTTTATTTGGCCTTTCAAGATGTTGG  
TGCTTGTGTTGCCTTGGTGTCTGTGAGAGTGTACTTCAAAAAGTGCCCGTTTACAGTGAAGAATCTGGCT  
ATGTTCCAGACACAGTGCCCATGGACTCCCAGTCTTGGTGGAGGTTAGGGGCTCTTGTGTCAATAATT  
CCAAAGAGGAGGACCCCTCCAGGATGTACTGCAGCACAGAAGGGGAATGGCTGGTCCCATTGGCAAATG  
CACTTGAATGCTGGGTATGAAGAACGAGGTTTCATATGCCAAGCTTGTGACCAAGGCTTCTACAAGGCT  
TCCGATGGTGTGCTAAGTGTGCTAAGTGCCACCACACAGCTCAACACAAGAAGATGGTTCAATGAAT  
GCAGGTGTGAGAATAATTATTTCCGGGCAGAAAAGACCCTCCATCCATGGCTTGTACCCGACCTCCATC  
CGACCAAGAAATGTTATCTCAAACATAAACGAGACCTCGGTTATCCTGGACTGGAGTTGGCCCTGGAC  
ACAGGAGGCCGGAAGGATATTACCTTCAACATCATATGTA AAAAGTGTGGGTGGAATGTCAGGCAGTGTG  
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AGACCTCTAGCTCACACCAACTACACCTTTGAGATCGATGCTGTTAATGGGGTGTGAGAGCTGAGCTCG  
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CCTGGACTATGAGGTCAAATACTATGAAAAGCAGGAGCAAGAGACGAGTTATACCATTTTGAGAGCAAGA



GGCACAAATGTTACTATCAGTAGCCTCAAGCCAGATACTACTTATGTCTTCCAAATCCGAGCTCGGACAG  
 CAGCGGGATATGGAACCAACAGCCGCAAATTTGAATTTGAAACTAGCCCAGACTCTTCTCCATCTCCGG  
 TGAACACAGTCATGTGGTGATGATTGCTATTTCCGCAGCTGTGGCCATCATTGTCCTCACGGTGGTCACC  
 TATGTTCTGGTCGGGAGGTTTTGTGGCTATCACAAGTCAAACACAGTGCAGAGGAGAAGCGCCTTCACT  
 TTGGGAATGGCCACTTAAACTTCCAGGTCTCAGGACCTATGTTGATCCACATACATATGAAGACCCTAC  
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 GGTGAATTTGGAGAAGTTTGCAGCGGCCGCTTAAACTTCTTCAAAAAAAGAGATTTTCGGTGGCCATAA  
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 GTTTGACCATCCCAACATCATCCGACTGGAAGGCGTTGTCACTAAGAGTAAGCCAGTGATGATTGTCACG  
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 GGCTATCGCTGCCACCTCCCATGGATTGCCAGCTGCCTTGTATCAGTTGATGTTGGACTGCTGGCAGA  
 AAGACAGGAACAACAGACCCAAGTTCGAGCAGATCGTCAGCATTCTGGACAAGCTCATCCGGAATCCAGG  
 CAGTCTGAAGATCATCACCAGCGCGGTGCAAGGCCATCAAACCTTCTTCTGGACCAAAGCAATGTCGAT  
 ATCGCTACCTCCACACAACCTGGTATTGGCTTAAACGGCATGAGGACAGCACACTGTAAGGAAATCTTCA  
 CAGGCGTCGAATACAGCTCCTGTGACACCATTGCCAAGATCTCCACAGATGACATGAAAAAGTTGGTGT  
 CACTGTGGTTGGCCACAGAAGAAGATCATCAGCACCATTAAAGCTCTAGAAACAAATCTAAGAATGGT  
 CCAGTTCAGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR226138 representing NM\_010140  
 Red=Cloning site Green=Tags(s)

MDCHLSILVLLGCCVLSCSGELSPQPSNEVNLDSKTIQELGWI SYPSHWEEISGVDEHYTPIRTYQV  
 CNVMDHSQNNWLR TNWVPRNSAQKIYVELKFTLRDCNSIPLVLGTCKETFNL YYMESDDDHGVKFRHQF  
 TKIDTIAADESFTQMDLGDRIKLNTEIREVGPVNKKG FYLAFQDVGACVALVSVRVYFKKCPFTVKNL A  
 MFPDTPMDSQSLVEVRGSCVNNSKEEDPPRMYCSTEGEWLVPIGKCTCNAGYEERGFICQACRPGFYKA  
 SDGAAKCAKPPHSSTQEDGSMNRCENNYFRAEKDPPSMACTRPPSAPRNVISINETSVIDLDSWPLD  
 TGGRKDITFNIICKKCGWNVRQCEPCSPNVRFLPRQLGLTNTTVTVTDLLAHTNYTFEIDAVNGVSELSS  
 PPRQYAAVSITTNQAAPSPVMTIKKDRTSRNSISLSWQEPEHPNGIILDYEVKYEKQEETS YTI LRAR  
 GTNVTISSLPDITYVFQIRART AAGYGTNSRKF EFETSPDSFSISGENSHVVMIAISA AVAIIVLTVVT  
 YVLVGRFCGYHKS KHSAAEEKRLHFGNGHLKLPGLR TYVDPHTYEDPTQAVHEFAKELDATNISIDKVVGA  
 GEFGEVCSGRLKLP SKKEISVAIKTLKVGYTEKQRRDFLGEASIMGFDPHPNII RLEGVVTKSKPVMIVT  
 EYMENGLSDSFLRKHDAQFTVIQLVGMLRGIASGMKYLSDMGYVHRDLAARNILINSNLVCKVSDFGLSR  
 VLEDDPEAAYTRGGKIPIRWTSPEAIA YRKFTSASDVVSYGIVLWEVMSYGERPYWEMSNQDVIKAVDE  
 GYRLPPMPD CPAALYQLMLDCWQKDRNNRPKFEQIVSILDKLIRNPGSLKIIITSAARPSNLLLDQSNVD  
 IATFH TTGDWLN GMRTAHCKEIFTGVEYSSCDTIAKISTDDMKKVGVTVVGPPQKKIISTIKALETQSKNG  
 PVPV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9008\\_a10.zip](https://cdn.origene.com/chromatograms/mm9008_a10.zip)

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


ACCN: NM\_010140

ORF Size: 2952 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.

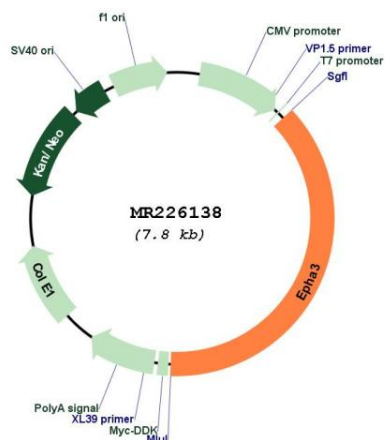
RefSeq: [NM\\_010140.1](#), [NM\\_010140.2](#), [NM\\_010140.3](#), [NP\\_034270.1](#)

RefSeq Size: 3978 bp

RefSeq ORF: 2955 bp

Locus ID: 13837  
 Cytogenetics: 16 C1.3  
 MW: 110.5 kDa

**Product images:**



Circular map for MR226138