

Product datasheet for MR224226

Ehf (NM_007914) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ehf (NM_007914) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ehf
Synonyms:	9030625L19Rik; AU019492
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR224226 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATTCTGGAAGGAAGTGGTGAATGAATCTCAACCCAGCCAACAACCTCCTTCACCAGCAACCAGCCT
GGACGGACAGCTACCCACATGCAATGTTTCCAGCGGTTTTTTTGGGAAGCCAGTGGCATGAAATCCACCC
TCAGTACTGGACCAAATACCAGGTGTGGGAATGGCTGCAGCACCTCCTGGACACCAACCAGCTAGACGCT
AGCTGCATCCCTTCCAGGAGTTCGACATTAGCGGAGAACACCTGTGCAGCATGAGTCTGCAGGAGTTCA
CGAGGGCAGCAGGCTCAGCTGGGCAGCTGCTCTACAGCAACCTACAGCATCTCAAGTGGAAACGGCCAATG
CAGCAGTGACCTTTCCAGTCCGCACACAATGTCATTGTCAAGACTGAACAAACCGATCCTTCCATCATG
AACACATGGAAAAGAAAACACTATCTCTATGATCCAGCTATGGTAGCACAGTAGATCTGTTGGACAGTA
AGACTTTCTGCCGGGCTCAGATCTCCATGACAACCTCCAGTCACCTTCCAGTTGCAGAGTCACCTGATAT
GAAAAAGGAGCAAGACCACCTGTAAAGTCCCACACCAAAAAGCACAACCAAGAGGCACTCACTTATGG
GAGTTCATCCGAGACATTCTCTTGAGCCAGACAAGAACCAGGACTGATCAAATGGGAAGACCGTTTCGG
AAGGCATCTTCAGGTTCTGAAGTCAGAAGCTGTGGCTCAGCTGTGGGGAAAAAGAAAAATAACAGTAG
CATGACATACGAGAAGCTCAGCCGGGCTATGAGATATTACTACAAACGAGAAATCCTGGAACGTGTGGAT
GGACGACGGCTGGTCTATAAGTTTGGGAAGAATGCTCGTGGATGGAGAGAAAATGAGAAC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR224226 protein sequence
Red=Cloning site Green=Tags(s)

MILEGSGVMNLNPANLLHQQPAWTDSYPTCNVSSGFFGSQWHEIHPQYWTKYQVWEWLQHLLDTNQLDA
 SCIPFQEFDISGEHLCSMSLQEFTRAAGSAGQLLYSNLQHLKWNQGCSSDLFQSAHNVIVKTEQTDPSIM
 NTWKEENLYDPSYGSTVDLLDSKTFCRAQISMSTSSHLPAESPMKKEQDHPVKSHTKKHNPGRGTHLW
 EFIRDILLSPDKNPGLIKWEDRSEGI FRFLKSEAVAQLWGKKKNNSSMTYEKLSRAMRYYYKREILERVD
 GRRLVYKFGKNARGWRENN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_007914

ORF Size: 900 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_007914.3](#), [NP_031940.1](#)

RefSeq Size: 4387 bp

RefSeq ORF: 903 bp

Locus ID: 13661

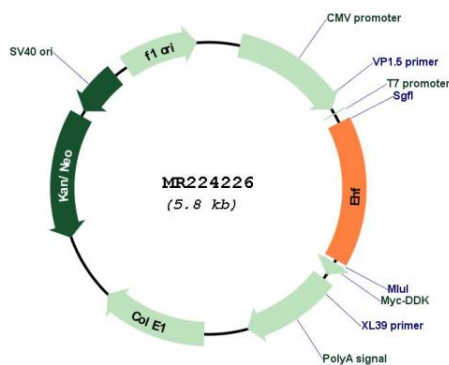
UniProt ID: [O70273](#)

Cytogenetics: 2 E2

MW: 34.9 kDa

Gene Summary: Transcriptional activator that may play a role in regulating epithelial cell differentiation and proliferation. May act as a repressor for a specific subset of ETS/AP-1-responsive genes, and as a modulator of the nuclear response to mitogen-activated protein kinase signaling cascades. Binds to DNA sequences containing the consensus nucleotide core sequence GGAA. Involved in regulation of TNFRSF10B/DR5 expression through Ets-binding sequences on the TNFRSF10B/DR5 promoter (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR224226