

Product datasheet for MR203873

Ehf (BC005520) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ehf (BC005520) 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:	>MR203873 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGATTCTGGAAGGAAGTGGTGAATGAATCTCAACCCAGCCAACAACCTCCTTACCAGCAACCAGCCT
GGACGGACAGCTACCCACATGCAATGTTCCAGCGGTTTTTTTGGAAAGCCAGTGGCATGAAATCCACCC
TCAGTACTGGACCAAATACCAGGTGTGGGAATGGCTGCAGCACCTCCTGGACCAACCAGCTGGACGCT
AGCTGCATCCCTTCCAGGAGTTCACGAGGGCAGCAGGCTCAGCTGGGCAGCTGCTACAGCAACCTAC
AGCATCTCAAGTGAATGGCCAATGCAGCAGTGACCTTTCCAGTCCGCACACAATGTCATTGTCAAGAC
TGAACAAACCGATCCTTCCATCATGAACACATGGAAGAAGAAAATATCTCTATGATCCCAGCTATGGT
AGCACAGTAGATCTGTTGGACAGTAAGACTTTCTGCCGGGCTCAGATCTCCATGACAACCTCCAGTCACC
TTCCAGTTGCAGAGTCACCTGATATGAAAAAGGAGCAAGACCACCTGTAAAGTCCCACACCAAAAAAGCA
CAACCCAGAGGCACTCACTTATGGGAGTTCATCCGAGACATTCTCCTGAGCCCAGACAAGAACCAGGA
CTGATCAAATGGGAAGACCGTTCGGAAGGCATCTCAGGTTCTGAAAGTCAGAAGCTGTGGCTCAGCTGT
GGGGGAAAAAGAAAAATAACAGTAGCATGACATACGAGAAGCTCAGCCGGGCTATGAGATATTACTACAA
ACGAGAAAATCCTGGAACGTGTGGATGGACGACGGCTGGTCTATAAGTTTGGGAAGAATGCTCGTGGATGG
AGAGAAAATGAGAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203873 protein sequence
Red=Cloning site Green=Tags(s)

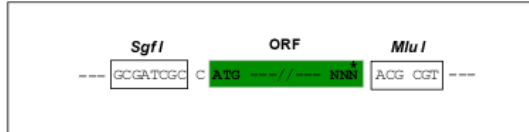
MILEGSGVMNLNPANLLHQQPAWTDSYPTCNVSSGFFGSQWHEIHPQYWTKYQVWEWLQHLLDTNQLDA
 SCIPFQEFTRAAGSAGQLLYSNLQHLKWNQCSSLDFQSAHNVIKTEQTDPSIMNTWKEENYL YDPSYG
 STVDLLDSKTFCRAQISMTTSSHLPAVESPDMMKKEQDHPVKSHTKKHNRGTHL WEFIRDILLS PDKNPG
 LIKWEDRSEGI FRFLKSEAVAQLWGKKNNSSMTYEKLSRAMRYYYKREIL ERVDGRRLVYKFGKNARGW
 RENEN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC005520

ORF Size: 855 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: [BC005520](#), [AAH05520](#)

RefSeq Size: 3746 bp

RefSeq ORF: 857 bp

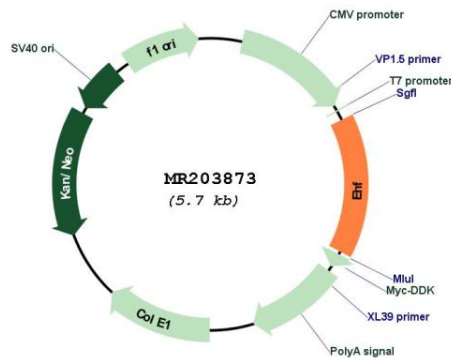
Locus ID: 13661

Cytogenetics: 2 E2

MW: 33.2 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 MR203873