

Product datasheet for **MG224226**

Ehf (NM_007914) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ehf (NM_007914) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ehf
Synonyms: 9030625L19Rik; AU019492
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG224226 representing NM_007914
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATTCTGGAAGGAAGTGGTGAATGAATCTCAACCCAGCCAACAACCTCCTTCACCAGCAACCAGCCT
 GGACGGACAGCTACCCACATGCAATGTTCCAGCGGTTTTTTTGGAAAGCCAGTGGCATGAAATCCACCC
 TCAGTACTGGACCAATACCAGGTGTGGGAATGGCTGCAGCACCTCCTGGACACCAACCAGCTAGACGCT
 AGCTGCATCCCTTCCAGGAGTTCGACATTAGCGGAGAACACCTGTGCAGCATGAGTCTGCAGGAGTTCA
 CGAGGGCAGCAGGCTCAGCTGGGCAGCTGCTCTACAGCAACCTACAGCATCTCAAGTGGAAACGGCCAATG
 CAGCAGTGACCTTTCCAGTCCGCACACAATGTCATTGTCAAGACTGAACAAACCGATCCTTCCATCATG
 AACACATGGAAAGAAGAAAATCTCTATGATCCAGCTATGGTAGCACAGTAGATCTGTTGGACAGTA
 AGACTTTCTGCCGGGCTCAGATCTCCATGACAACCTCCAGTCACCTTCCAGTTGCAGAGTCACCTGATAT
 GAAAAAGGAGCAAGACCACCTGTAAAGTCCCACACCAAAAAGCACAACCAAGAGGCACTCACTTATGG
 GAGTTCATCCGAGACATTCTCTTGAGCCCAGACAAGAACCAGGACTGATCAAATGGGAAGACCGTTTCGG
 AAGGCATCTTCAGGTTCTGAAGTCAGAAGCTGTGGCTCAGCTGTGGGGAAAAAGAAAATAACAGTAG
 CATGACATACGAGAAGCTCAGCCGGGCTATGAGATATTACTACAAACGAGAAATCCTGGAACGTGTGGAT
 GGACGACGGCTGGTCTATAAGTTTGGGAAGAATGCTCGTGGATGGAGAGAAAATGAGAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG224226 representing NM_007914
 Red=Cloning site Green=Tags(s)

MILEGSGVMNLNPANLLHQQPAWTDSYPTCNVSSGFFGSQWHEIHPQYWTKYQVWEWLQHLLDTNQLDA
 SCIPFQEFDISGEHLCSMSLQEFTRAAGSAGQLLYSNLQHLKWNQCSSDLFQSAHNVIVKTEQTDPSIM
 NTWKEENLYDPSYGSTVDLLDSKTFCRAQISMSTSSHLPAVESPDMKKEQDHPVKSHTKKHNPGRGTHLW
 EFIRDILLSPDKNPGLIKWEDRSEGI FRFLKSEAVAQLWGKKKNNSSMTYEKLSRAMRYYYKREILERVD
 GRRLVYKFGKNARGWRENEN

TRTRPLE - GFP Tag - V

Restriction Sites:

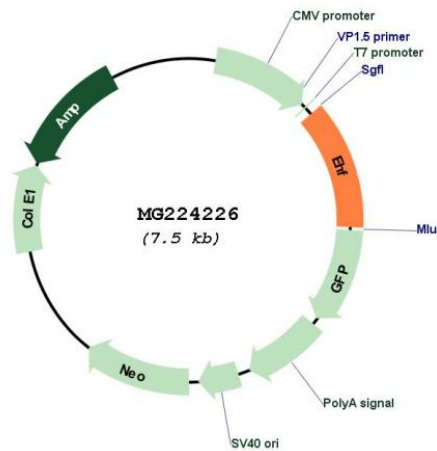
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



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:	<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:	NM_007914.3 , NP_031940.1
RefSeq Size:	4387 bp
RefSeq ORF:	903 bp
Locus ID:	13661
UniProt ID:	O70273
Cytogenetics:	2 E2
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]