

## Product datasheet for **RG207904**

### EHF (NM\_012153) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	EHF (NM_012153) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	EHF
Synonyms:	ESE3; ESE3B; ESEJ
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207904 representing NM_012153 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATTCTGGAAGGAGGTGGTGAATGAATCTCAACCCCGCAACAACCTCCTTACCAGCCGCCAGCCT  
GGACAGACAGCTACTCCACGTGCAATGTTCCAGTGGGTTTTTTGGAGGCCAGTGGCATGAAATTCATCC  
TCAGTACTGGACCAAGTACCAGGTGTGGGAGTGGCTCCAGCACCTCCTGGACACCAACCAGCTGGATGCC  
AATTGTATCCCTTCCAAGAGTTCGACATCAACGGCGAGCACCTCTGCAGCATGAGTTTGCAGGAGTTCA  
CCCGGGCGGCAGGGACGGCGGGCAGCTCCTCTACAGCAACTTGCAGCATCTGAAGTGGAAACGGCCAGTG  
CAGTAGTGACCTGTTCCAGTCCACACACAATGTCATTGTCAAGACTGAACAACTGAGCCTTCCATCATG  
AACACCTGGAAAGACGAGAACTATTTATATGACACCAACTATGGTAGCACAGTAGATTTGTTGGACAGCA  
AACTTTCTGCCGGGCTCAGATCTCCATGACAACCACAGTCACCTTCTGTTGCAGAGTCACCTGATAT  
GAAAAAGGAGCAAGACCCCTGCCAAGTGCCACACCAAAAAGCACAACCCGAGAGGGACTCACTTATGG  
GAATTCATCCGCGACATCCTCTTGAACCCAGACAAGAACCAGGATTAATAAAATGGGAAGACCGATCTG  
AGGGCGTCTTCAGGTTCTTGAATCAGAGGCAGTGGCTCAGCTATGGGGTAAAAAGAAGAACAACAGCAG  
CATGACCTATGAAAAGCTCAGCCGAGCTATGAGATATTACTACAAAAGAGAAATCTGGAGCGTGGAT  
GGACGAAGACTGGTATATAAATTTGGGAAGAATGCCCGAGGATGGAGAGAAAAATGAAAAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG207904 representing NM\_012153  
Red=Cloning site Green=Tags(s)

MILEGGGVMLNPGNNLLHQPPAWTDSYSTCNVSSGFFGGQWHEIHPQYWTKYQVWEWLQHLLDTNQLDA  
 NCIPFQEFDINGEHLCSMSLQEFTRAAGTAGQLLYSNLQHLKWNQGCSSDLFQSTHNIVKTEQTEPSIM  
 NTWKDENLYDTNYGSTVDLLDSKTFCRAQISMSTTTSHLPVAESPMKKEQDPPAKCHTKKHNPGRGTHLW  
 EFIRDILLNPKNPGLIKWEDRSEGVFRFLKSEAVAQLWGKKNSSMTYEKLSRAMRYYYKREILERVD  
 GRRLVYKFGKNARGWRENEN

TRTRPLE - GFP Tag - V

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**



**ACCN:** NM\_012153

**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\\_012153.6](#)

**RefSeq Size:** 3617 bp

**RefSeq ORF:** 903 bp

**Locus ID:** 26298

**UniProt ID:** [Q9NZC4](#)

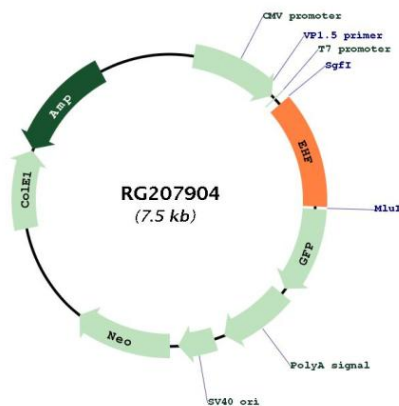
**Cytogenetics:** 11p13

**Domains:** ETS, SAM\_PNT

**Protein Families:** Transcription Factors

**Gene Summary:** This gene encodes a protein that belongs to an ETS transcription factor subfamily characterized by epithelial-specific expression (ESEs). The encoded protein acts as a transcriptional repressor and may be involved in epithelial differentiation and carcinogenesis. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2011]

### Product images:



Circular map for RG207904