

## Product datasheet for **MG218755**

### Eef1d (NM\_023240) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Eef1d (NM\_023240) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Eef1d  
**Synonyms:** EF-1-delta  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG218755 representing NM\_023240  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGCTACAACTTTCTAGCGCATGAGAAGATCTGGTTTGACAAGTTTAAATATGATGATGCAGAAAGGA  
GATTCTATGAGCAGATGAACGGCCTGTGACCTCCGGCTCCCGCCAGGAGAATGGTGCCAGCGTGATCCT  
CCGAGACATTGCAAGAGCCAGAGAGAACATCCAGAAATCCTTGGCTGGAAGCTCAGGCCCTGGAGCCTCC  
AGTGGACCTGGTGGAGACCACAGTGAGCTCATTGTGAGGATTACAGTCTGGAAGTGAGAACAGAAC  
TTCGAGGCGTGGTCAAGATTTGCAGCAGGCCATTTCCAAGTTGGAGGCCCGGCTGAGCTCTCTAGAGAA  
GAGTTCACCTACTCCCGAGCCACGGCCACAGACCCAACATGTCTCTCTATGCGTCAAGTGGAGCCC  
CCAACCAAGAAAGGAGCCACACCAGCAGAGGACGATGAGGACAAGGACATTGACCTGTTCGGCAGTGACG  
AGGAGGAAGAAGATAAGGAGGCTGCCGACTACGGGAGGAGAGGCTACGCCAGTACGCAGAGAAGAAGGC  
CAAGAAGCCCACACTGGTGGCCAAATCCTCCATCCTTTTGGATGTTAAACCTTGGGATGATGAGACTGAC  
ATGGCCCAGCTAGAGACTTGTGTGCGTTCCATCCAATTGGACGGGCTGGTTTGGGGGGCCTCAAGCTTG  
TGCCTGTTGGCTATGGCATCCGGAAGCTGCAGATCCAGTGTGTGGTGGAGGATGACAAAGTGGGCACCGA  
CTTGCTCGAGGAGGAGATCACCAATTTGAGGAGCATGTGCAGAGTGTGCACATCGCAGCTTTCAACAAG  
ATC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG218755 representing NM\_023240  
 Red=Cloning site Green=Tags(s)

MATNFLAHEKIWFDFKFKYDDAERRFYEQMNGPVTSGSRQENGASVILRDIARARENIQKSLAGSSGPGAS  
 SGPGGDHSELIVRITSLEVENQNLRGVVQDLQQAI SKLEARLSSLEKSSPTPRATAPQTQHVSPMRQVEP  
 PTKKGGATPAEDDEDKDIDLFGSDEEEEDKEAARLREERLRQYAEKKAKKPTLVAKSSILLDVKPWDDET  
 MAQLETCSRSIQLDGLVWGASKLVPGYGIRKLQIQCVVEDDKVGTDLLEEEITKFEHHVQSVDIAAFNK  
 I

TRTRPLE - GFP Tag - V

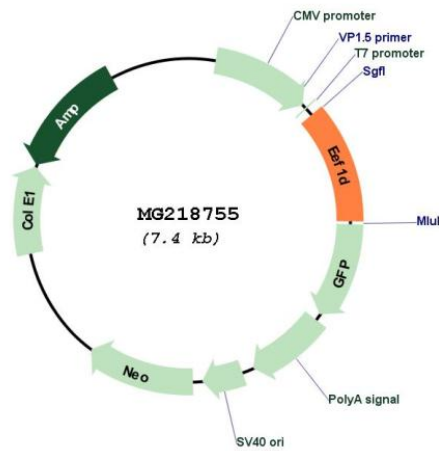
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_023240

**ORF Size:** 843 bp

|                               |   |
|-------------------------------|---|
| <b>OTI Disclaimer:</b>        | 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. <a href="#">More info</a>  |
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| <b>RefSeq:</b>                | <a href="#">NM_023240.3</a>   |
| <b>RefSeq Size:</b>           | 1702 bp   |
| <b>RefSeq ORF:</b>            | 846 bp  |
| <b>Locus ID:</b>              | 66656   |
| <b>UniProt ID:</b>            | <a href="#">P57776</a>  |
| <b>Cytogenetics:</b>          | 15 D3   |
| <b>Gene Summary:</b>          | Isoform 1: EF-1-beta and EF-1-delta stimulate the exchange of GDP bound to EF-1-alpha to GTP, regenerating EF-1-alpha for another round of transfer of aminoacyl-tRNAs to the ribosome.[UniProtKB/Swiss-Prot Function]  |