

Product datasheet for **RG237054**

FAM86A (EEF2KMT) (NM_001289029) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | FAM86A (EEF2KMT) (NM_001289029) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | FAM86A |
| Synonyms: | eEF2-KMT; EFM3; FAM86A; SB153 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >RG237054 representing NM_001289029. Blue=ORF Red=Cloning site Green=Tag(s) |

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGCCCGAGGAGAACCGGGGACCGAACTCTTGCTGCAGAGTTTCGAGCGCCGCTTCTCGCGGCA
CGCACACTGCGCTCCTTCCCTGGCAGAGCTTAGAAGCAAAGTTAAGAGACTCATCAGATTCTGAGCTG
CTGCGGGATATTTGCACAAGCCCTCGGGAGGCTCGGTACACTCTCCGAGAGCACGGCCATCATCTCC
TACGGTACCACAGGCCTGGTCACATGGGACGCCGCCCTACCTTGCAGAATGGCCATCGAGAACCCG
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AAGATGTGCCGCCCGGCATACATCTTCAGCGACTGTCACAGCCGGTCTTGAGCAGCTCCGAGGG
AATGTCCTTCTCAATGGCCTCTCATTAGAGGCAGACATCACTGCCAAGTTAGACAGCCCCAGGGTGACA
GTGGCCAGCTGGACTGGACGTCGCGACGGTCCATCAGCTCTCTGCCTTCCAGCCAGATGTTGTATT
GCAGCAGATGTGCTGATTGCCAGAAGCCATCATGTCGCTGGTGGCGTCTGCGGAGGCTGGCTGCC
TGCCGGGAGCACCAGCGGGCTCTGAGGTCTACGTGGCCTTACCCTCCGCAACCCAGAGACGTGCCAG
CTGTTCCACCACCGAGCTAGGCCGGGCGGGATCAGATGGGAAGTGGAACTCGTCATGAGCAGAAACTG
TTCCCTACGAAGAGCACTTGGAGATGGCAATGCTGAATCTCACCCCTG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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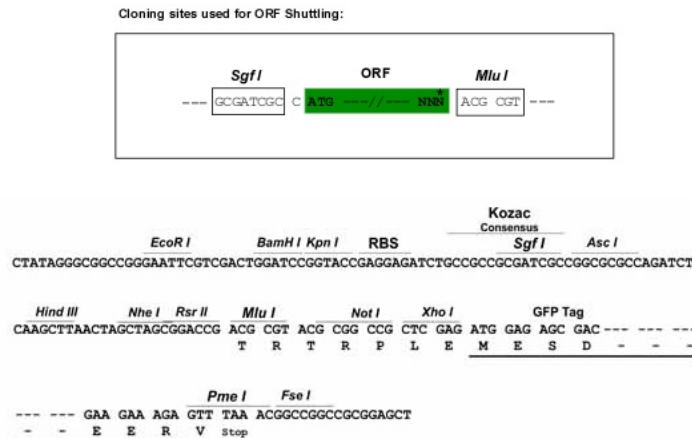
[View online »](#)

Protein Sequence: >Peptide sequence encoded by RG237054
 Blue=ORF Red=Cloning site Green=Tag(s)

MAPEENAGTELLLQSFERRFLAARTLRSFPWQSLEAKLRDSSSELLRDILHKPSGGSVTLSESTAIIS
 YGTTGLVTWDAALYLAEWAIENPAVFTNRTVLELGSGAGLTGLAICKMCRPRAYIFSDCHSRVLEQLRG
 NVLLNGLSLEADITAKLDSRPVTAQLDWDVATVHQLSAFQPDVVIADVLVYCEAIMSLVGLRRLAA
 CREHQRAPEVYVAFTVRNPETCQLFTTELGRAGIRWEVEPRHEQKLFPYEEHLEMAMLNLTL
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001289029

ORF Size: 807 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).

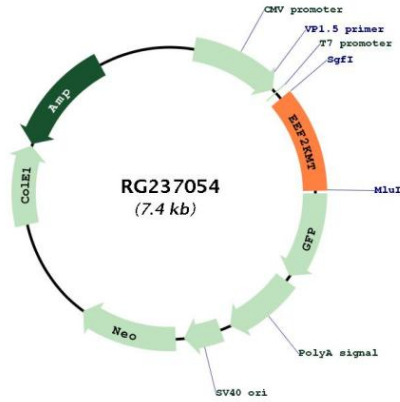
RefSeq: [NM_001289029.1](#), [NP_001275958.1](#)

RefSeq Size: 2228 bp

RefSeq ORF: 810 bp

Locus ID: 196483
UniProt ID: [Q96G04](#)
Cytogenetics: 16p13.3
MW: 30.4 kDa
Gene Summary: Catalyzes the trimethylation of eukaryotic elongation factor 2 (EEF2) on 'Lys-525'.
 [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG237054