

Product datasheet for **SC308071**

FAM86A (EEF2KMT) (NM_201598) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM86A (EEF2KMT) (NM_201598) Human Untagged Clone
Tag:	Tag Free
Symbol:	EEF2KMT
Synonyms:	eEF2-KMT; EFM3; FAM86A; SB153
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC308071 representing NM_201598. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGCCCGAGGAGAACGCGGGACCGAACTCTTGTGTCAGAGTTTCGAGCGCCGCTTCTCGCGGCA
CGCACACTGCGCTCCTTCCCTGGCAGAGCTTAGAAGCAAAGTTAAGAGACTCATCAGATTCTGAGCTG
CTGCGGGATATTTGCACAAGACTGTGAAGCATCCTGTGTGTGTGAAGCACCCGCGTCCGTCAAATAT
GCCCGGTCTTCTCTCAGAACTCATCAAAAAGCCCTCGGGAGGCTCGGTCACTCTCCGAGAGCAGC
GCCATCATCTCTACGGTACCACAGGCTGGTCCATGGGACGCCGCCCTACCTTGCAGAATGGGCC
ATCGAGAACC CGCAGTCTTCACTAACAGGACTGTCCTAGAGCTTGGCAGTGGTGTGGCCTCACAGGC
CTGGCCATCTGCAAGATGTGCCGCCCGGCATACATCTTACGCGACTGTCACAGCCGGTCCCTTGG
CAGCTCCGAGGGAATGTCTTCTCAATGGCCTCTCATTAGAGGCAGACATCACTGCCAAGTTAGACAGC
CCCAGGGTGACAGTGGCCAGCTGGACTGGGACGTCGCGACGGTCCATCAGCTCTCTGCCTTCCAGCCA
GATGTTGTATTGCAGCAGATGTGCTGTATTGCCAGAAGCCATCATGTCGCTGGTGGCGTCTGCGG
AGGCTGGCTGCCTGCCGGGAGCACCAGCGGGCTCCTGAGGTCTACGTGGCCTTTACCGTCCGCAACCCA
GAGACGTGCCAGCTGTTACCACCGAGCTAGGCCGGGCCGGGATCAGATGGGAAGTGAACCTCGTCAT
GAGCAGAACTGTTTCCCTACGAAGAGCACTTGGAGATGGCAATGCTGAATCTCACCCCTGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-MluI
Plasmid Map:	□
ACCN:	NM_201598
Insert Size:	891 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_201598.3</u>
RefSeq Size:	2309 bp
RefSeq ORF:	891 bp
Locus ID:	196483
UniProt ID:	<u>Q96G04</u>
Cytogenetics:	16p13.3
MW:	33.1 kDa
Gene Summary:	<p>Catalyzes the trimethylation of eukaryotic elongation factor 2 (EEF2) on 'Lys-525'. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an alternate exon in the coding region compared to variant 1. The resulting protein (isoform 2) is shorter but has the same N- and C-termini compared to isoform 1.</p>