

## Product datasheet for **MR209833**

### Eef1d (NM\_029663) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Eef1d (NM_029663) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Eef1d
Synonyms:	EF-1-delta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>MR209833 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGAGGAGTGGGAAGCCTCTTGTGCACCTGGAGACCGTCTGGGAGGACAGGCACAAGTATGAGGGAGCCG  
AGCGGCGCTTCCACGAGCAGGAGGCCACACAAGTCGTGCGCGCCGCCACTGCCGCGCCACTGCCTC  
CGCCTCTGTCCAGCAGCTCCTGGACGAAGTCCAGCTGTGAACGGGCCAGCCAGGAGGACACAGAGGAC  
ACTGAGGAGGCAGAGGCCCAAACACCAGCAGCAGGAGTGATCCCGGAAGAGCCACGAGTGCAAGAAGC  
CGATACAGAAAAAGAGGAAGCGCTCCCCGAAAAGTTGGCTGGGCCAGGCAGACCTGGCCCTTGTGGGCT  
CTCGGCTGACCACGTATGGTTAGACAAGCCACTTTCGACCAGGCAGAAAGCTCCTACCGTCAGAGGCTG  
GCAGATGTAGCTGCCAGGCAGCCAGCCGCTGCTCTGGCCCTCGGGGGCCCTGTACACATGGAAGCC  
ATGTGGCATGCCACCATGTAACCTGGGGATCTGGGTCAACAAGTCTTGTCTTATCAAGCCGAGCGGGC  
TTTTGTGGAGTGGTCTCAGTCTTGTCTGGCTGCAGAGGGGAGCCATAGGCAGGGGACTCCTGACACA  
GGCCAGCAGGCTGCACTCCTGACTGGCTTGGCTGCCAGCCTTGCCACCAGCAATGGCCAGCCTC  
CTCTGGGCAGCCTGCAGGCACTGGTGCAGGAGGTATGGCTGGAGAAGCCCGGTACGATGCCGCTGAGAG  
GGGCTTCTATGAGGCCCTGTTTGTGTCATCCCCAGGGAAAGTGCCTGTCAGGAGCGAGCCAGTCA  
GCAGAGGGTACCCGAGGGGCGCAGAGACCATCGGAGCTGCAATAACGTAGGAAACAAGAGAGCTGGGT  
CAAAACGGGCCAACGGGGAGGCTCCTCTGCTTTTCCCTACTGGTACTTCTACACAAGGACGCAGAGGC  
CCCCTGGCTCAGCAAGCTACCTACGACAGCGCTGAGTGCCGCCACCATGCCGTTGAGGCCCTGCGCATA  
GCCTGGCGCTAGAAGCTGCCTCCCTGGCTCACCAGCCACACCCGTTCTGGCCATCCATGTCCAGCC  
TGAGACCAACAGAAAAATGGCTACAACTTTCTAGCGCATGAGAAGATCTGGTTTGACAAGTTTAAATA  
TGATGATGCAGAAAGGAGATTCTATGAGCAGATGAACGGGCTGTGACCTCCGGCTCCCGCCAGGAGAAT  
GGTGCCAGCGTATCCTCCGAGACATTGCAAGAGCCAGAGAGAACATCCAGAAATCCTTGGCTGGAAGCT  
CAGGCCCTGGAGCCTCCAGTGGACCTGGTGGAGACCACAGTGAGCTCATTGTGAGGATTACCAGTCTGGA  
AGTGGAGAACCAGAACCTTCGAGGCGTGGTGAAGATTTGCAGCAGGCCATTTCCAAGTTGGAGGCCGG  
CTGAGCTCTCTAGAGAAGAGTTCACCTACTCCCCGAGCCACGGCCACAGACCCAACATGTCTCTCTA  
TGCGTCAAGTGGAGCCCCAACCAAGAAAGGAGCCACACCAGCAGAGGACGATGAGGACAAGGACATTGA  
CCTGTTCCGCGAGTGACGAGGAGGAAGAAGATAAGGAGGCTGCCCGACTACGGGAGGAGAGGCTACGCCAG  
TACGCAGAGAAGAAGGCCAAGAAGCCCACTGGTGGCCAAATCCTCCATCCTTTTGGATGTTAAACCTT  
GGGATGATGAGACTGACATGGCCAGCTAGAGACTTGTGTGCGTTCCATCCAATTGGACGGGCTGGTTG  
GGGGCCCTCAAGCTTGTGCCTGTTGGCTATGGCATCCGGAAGCTGCAGATCCAGTGTGTGGTGGAGGAT  
GACAAAGTGGGCACCGACTTGTCTGAGGAGGAGATCACCAATTTGAGGAGCATGTGCAGAGTGTGACACA  
TCGCAGCTTTCAACAAGATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR209833 protein sequence  
Red=Cloning site Green=Tags(s)

MRSKGASCALETVWEDRHKYEGAERRFHEQEATQVVAAAATAAATASASVQQLLDEVPVAVNGPSQEDTEDT  
 TEEAEAPNTSSRSDPGKSHECKKPIQKKRKRSPKSWLQADLALVGLSADHVWLDKPLFDQAESSYRQL  
 ADVAAQAAQPPALAPRGPCTHGSHVACHHVTWGIWVNKSCFDQAERAFVEWSQSLLLAAEGSHRQGTPTD  
 GQQAVTPDLALACQPCCPANGQPPLGSLQALVREWLEKPRYDAAERGFYEALFDGHPPGKVRQLQERASQ  
 AEGTRRGRDRHRSCNNVGNKRAGSKRANGEAPPAPFYWYFLHKDAEAPWLSKPTYDSAECRHHAVEALRI  
 AWRLEAASLAHRPTPRSGPMSLSL RPNRKMATNFLAHEKIWFDFKDYDAERRFYEQMNGPVTSGSRQEN  
 GASVILRDIARARENIQKSLAGSSGPGASSGPGGDHSELIVRITSLEVENQNLRGVYQDLQQAISKLEAR  
 LSSLEKSSPTPRATAPQTQHVSPMRQVEPPTKKGATPAEDDEDKIDLFGSDEEEEDKEAARLREERLRQ  
 YAEKKAKKPTLVAKSSILLDVKPWDETDMAQLETCVRSIQLDGLVWGASKLVPVGYGIRKLIQICVVED  
 DKVGTDLLEEEITKFEHVQSVDAAFNKI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**ACCN:** NM\_029663

**ORF Size:** 1983 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\\_029663.2](#)

**RefSeq Size:** 2855 bp

**RefSeq ORF:** 1983 bp

**Locus ID:** 66656

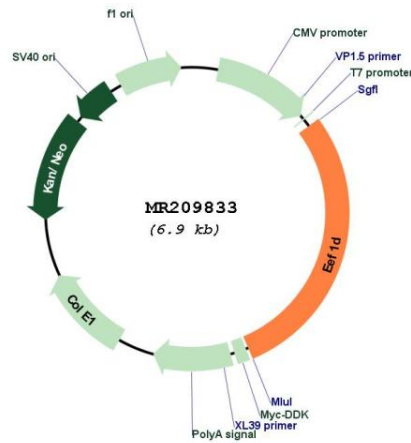
**UniProt ID:** [P57776](#)

**Cytogenetics:** 15 D3

**MW:** 72.9 kDa

**Gene Summary:** 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]

**Product images:**



Circular map for MR209833