

Product datasheet for **MR228830**

Eef1d (NM_001285431) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Eef1d (NM_001285431) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Eef1d
Synonyms: EF-1-delta
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228830 representing NM_001285431
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCTACAACTTTCTAGCGCATGAGAAGATCTGGTTTGACAAGTTAAATATGATGATGCAGAAAGGA
GATTCTATGAGCAGATGAACGGCCTGTGACCTCCGGCTCCCGCCAGAGCTCAGGCCCTGGAGCCTCCAG
TGGACCTGGTGGAGACCACAGTGAGCTCATTGTGAGGATTACCAGTCTGGAAGTGGAGAACCAGAACCTT
CGAGGCGTGGTGAAGATTTGCAGCAGGCCATTTCCAAGTTGGAGCCCGGCTGAGCTCTCTAGAGAAGA
GTTACCTACTCCCCGAGCCACGGCCCCACAGACCCAACATGTCTCTCCTATGCGTCAAGTGGAGCCCCC
AACCAAGAAAGGAGCCACACCAGCAGAGGACGATGAGGACAAGGACATTGACCTGTTTCGGCAGTGACGAG
GAGGAAGAAGATAAGGAGGCTGCCGACTACGGGAGGAGAGGCTACGCCAGTACGCAGAGAAGAAGGCCA
AGAAGCCCACTGGTGGCCAAATCCTCCATCCTTTGGATGTTAAACCTTGGGATGATGAGACTGACAT
GGCCAGCTAGAGACTTGTGTGCGTTCATCCAATTGGACGGGCTGGTTTGGGGGCTCCAAGCTTGTG
CCTGTTGGCTATGGCATCCGGAAGCTGCAGATCCAGTGTGTGGTGGAGGATGACAAAGTGGGCACCGACT
TGCTCGAGGAGGAGATCACCAAATTTGAGGAGCATGTGCAGAGTGTGCACATCGCAGCTTTCAACAAGAT
C

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR228830 representing NM_001285431
Red=Cloning site Green=Tags(s)

MATNFLAHEKIWFDKFKYDDAERRFYEQMNQVTSGRQSSGPGASSGPGGDHSELIVRITSLEVENQNL
 RGVVQDLQQAISKLEARLSSLEKSSPTPRATAPQTHVSPMRQVEPPTKKGATPAEDDEDKIDLFGSDE
 EEEDKEAARLREERLRQYAEKKAKKPTLVAKSSILLDKVPWDETDMAQLET CVRSIQLDGLVWGASKLV
 PVGYGIRKLQIQCVVEDDKVGTDLLEEEITKFEHVVQSVDAIAFNKI

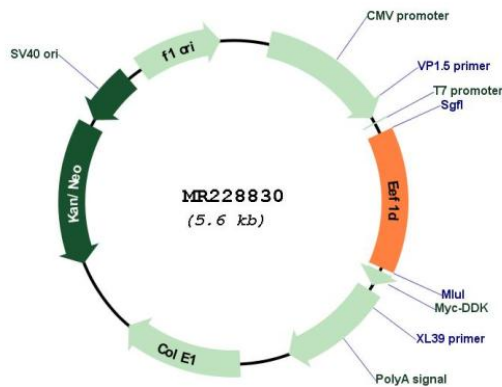
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001285431
ORF Size: 771 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:	<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:	NM_001285431.1 , NP_001272360.1
RefSeq Size:	1635 bp
RefSeq ORF:	774 bp
Locus ID:	66656
UniProt ID:	P57776
Cytogenetics:	15 D3
MW:	29.2 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]