

Product datasheet for **MR228974**

Eef1d (NM_001285429) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eef1d (NM_001285429) 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:	>MR228974 representing NM_001285429 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTACAACTTTCTAGCGCATGAGAAGATCTGGTTTGACAAGTTAAATATGATGATGCAGAAAGGA
GATTCTATGAGCAGATGAACGGCCTGTGACCTCCGGCTCCCGCCAGGAGAATGGTGCCAGCGTGATCCT
CCGAGACATTGCAAGAGCCAGAGAGAACATCCAGAAATCCTTGGCTGGAAGCTCAGGCCCTGGAGCCTCC
AGTGGACCTGGTGGAGACCACAGTGAGCTCATTGTGAGGATTACCACTCTGGAAGTGGAGAACCAGAACC
TTCGAGGCGTGGTGCAAGATTTGCAGCAGGCCATTTCCAAGTTGGAGGCCCGGCTGAGCTCTCTAGAGAA
GAGTTCACCTACTCCCGAGCCACGGCCCCACAGACCCAACATGTCTCTCTATGCGTCAAGTGGAGCCC
CCAACCAAGAAAGGAGCCACACCAGCAGAGGACGATGAGGACAAGGACATTGACCTGTTCGGCAGTGACG
AGGAGGAAGAAGATAAGGAGGCTGCCGACTACGGGAGGAGAGGCTACGCCAGTACGCAGAGAAGAAGGC
CAAGAAGCCCACACTGGTGGCCAAATCCTCCATCCTTTGGATGTTAAACCTTGGGATGATGAGACTGAC
ATGGCCCAGCTAGAGACTTGTGTGCGTTCCATCCAATTGGACGGGCTGGTTGGGGGGCCTCCAAGCTTG
TGCTGTTGGCTATGGCATCCGGAAGCTGCAGATCCAGTGTGTGGTGGAGGATGACAAAGTGGCCACCGA
CTTGCTCGAGGAGGAGATCACCAATTTGAGGAGCATGTGCAGAGTGTGACATCGCAGCTTTCAACAAG
ATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR228974 representing NM_001285429
 Red=Cloning site Green=Tags(s)

MATNFLAHEKIWFDFKFKYDDAERRFYEQMNGPVTSGSRQENGASVILRDIARARENIQKSLAGSSGPGAS
 SGPGGDHSELIVRITSLEVENQNLRGVVQDLQQATSKLEARLSSLEKSSPTPRATAPQTQHVSPMRQVEP
 PTKKGATPAEDDEDKDIDLFGSDEEEEDKEAARLREERLRQYAEKKAKKPTLVAKSSILLDVKPWDETD
 MAQLETCSRSIQLDGLVWGASKLVPVGYGIRKLQIQCVVEDDKVGTDLLEEEITKFEEHVQSVDIAAFNK
 I

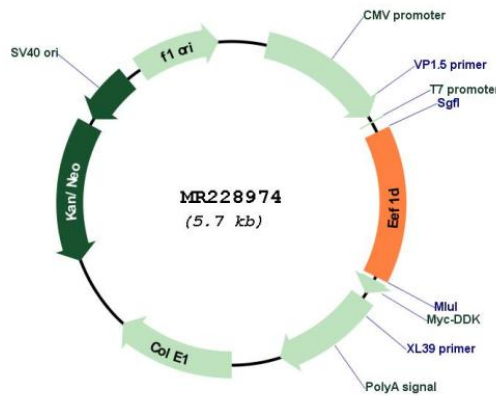
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001285429

ORF Size: 843 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_001285429.1 , NP_001272358.1
RefSeq Size:	1707 bp
RefSeq ORF:	846 bp
Locus ID:	66656
UniProt ID:	P57776
Cytogenetics:	15 D3
MW:	31.7 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]