

Product datasheet for **MR217613**

Eif2b4 (NM_001127356) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eif2b4 (NM_001127356) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Eif2b4
Synonyms:	Eif2b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR217613 representing NM_001127356
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCAACCCAGCAGCCAGCTGCGCCGACGAGTCTCCCAAGTCTCCCGAGCCTGTCTGGCTCACTCT
 GTGCCCTGTTTTCTGATGCGAATCGAGATCCGAGATGAAGACTGAACTTCTCCTCGGCCCGGGCAGC
 AGGGCGGGAGTTGACCCAAGAAGAGAAGCTTCAGCTTCGAAAAGAAAAGAAACAGCAGAAGAAGAACGG
 AAGGAGGAAAAGGGGCGAGACCAAGAAATTGGCTCTGCTGTGTCTGCAGCTCAACGGCAAGACCCAATCA
 GAGAACTCCAGGACCTGGTAGTCAGCTGGGAGGTACTGCTGGGAGAACTTCCAGCTGGCCGGAGTAA
 GGCAGAACTTCGCGCCGAAAGGAGAGCCAAGCAGGAGGCAGAGCGGGCCCTGAAACAGGCAAGAAAAGGG
 GAACAAGGAGGCGTCCCTCCTCAGGCTGCCCCAGCACTGCTGGAGAAACCCTCAGGAGTGAAGCGTG
 TCCCCGAGCACACCCAGCTGATGACCCACACTTCTGAGGAGGCTCCTAGAAAGCCAGATCGACAACA
 GTTTCTACACGAAAGGATTACGGATCCAAAGTCAGTCTTTCTCCACCTGCCTCAGTACAGCAGACAA
 AGTCTCTTGACCCAGTACATGAGCATCCCATCCTCTGTGATCCACCCAGCCATGGTGAAGACTCGGTCTGC
 AGTACTCCAGGGCCTCATCAGTGGCTCCAATGCCCGGTGCATCGCACTGCTTACGCGCCTGCAGCAGGT
 GATTGAGGATTACACAACACCTCCAGTGAGGAACTCTCCAGGGATCTTGTAAATAAACTAAAACCTTAC
 ATCAGTTCTGACGCAGTGCCGCCCATGTGCGCAAGTATGTGCAACGCCATCAAGTTCCTAACCAAGG
 AAGTCACTGGCATGAGCAGCTCAAGCGGGAAGAGGAGGCAAGTCAAGACTTAGAGAAGCCCTCGACCG
 GTACGTGCAAGAGAAGATCGTGCTTGCAGCTCAGGCAATTCACGATTTGCTTCTACAAAGATCAGTGAT
 GGGGACGTGATCCTGGTATATGGATGCTCATCTTTGGTGTGAGAATTCTCCAGGAGGCCAGGGTCGAGG
 GCAGGCGGTTTTCGGGTGGTGGTGGACAGCCCGCCCGGCTGGAAGGAAGGCACATGCTCCACTCTCT
 TGTCCGTGCTGGGTCCCTACCTCTATCTGCTGATTCTCGAGCCTCCTATGTGCTTCCAGAGGTTTCT
 AAGGTGCTATTGGGAGCTCATGCACTCCTGCCAATGGATCTGTGATGTCTCGGGTAGGGACAGCACAGT
 TGGCCCTGGTGGCTCGAGCTCATAACGTTCCAGTACTGGTCTGCTGTGAAACGTACAAGTTCTGTGAACG
 TGTGCAGACTGATGCCTTTGTCTCCAACGAGCTAGATGATCCCGATGATCTGCAGTGAAGCGGGGAGAC
 CAGGTGGCCCTGGCTAACTGGCAGAGCCACCCGTCCTCCGGTTGTTGAATCTGGTCTATGACGTGACTC
 CACCTGAGCTCGTGGATCTGGTATCACAGAGTTGGGCATGATCCCTGCAGTCTGTGCCTGTTGTCT
 TCGAGTCAAGAGCAGTGACCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR217613 representing NM_001127356
 Red=Cloning site Green=Tags(s)

MPTQQPAAPTSPLPKSSRSLSGSLCALFSDAESRSEMKTELSRPGAAGRELTQEEKLQLRKEKKQKQKKR
 KEEKGADQEIGSAVSAQRQDP IRELPGPGSQLGGTAGEKLPAGRSKAELRAERRAKQE AERALKQARKG
 EQGGVPPQACPSTAGETTSGVKRVEHTPADDPTLLRRLRLKPDQVTRKDYGSKVSLSF SHLPQYSRQ
 SSLTQYMSIPSSVIHPAMVRLGLQYSQGLISGSNARCIALLHALQQVIQDYTPPSEELSRDLVNLKPY
 ISFLTQCRPMSASMCNAIKFLTKEVTGMSSSKREEEAKSELREALDRYVQEKIVLAAQAI SRFSTKISD
 GDVILVYGCSLVSRIHQEARVEGRRFRVVVDSRPRLEGRHMLHSLVRAGVPTS YLLIPAASYVLPEVS
 KVLLGAHALLANGSVMSRVGTAQLALVARAHNVPVLVCCETYKFCERVQTD AFVSNELDDPDDLQCKRGD
 QVALANWQSHPSLRLLNLVYDVTPELVDLVITELGMIPCSSVPVVLRVKSSDQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001127356

ORF Size: 1632 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_001127356.1](#), [NP_001120828.1](#)

RefSeq Size: 2119 bp

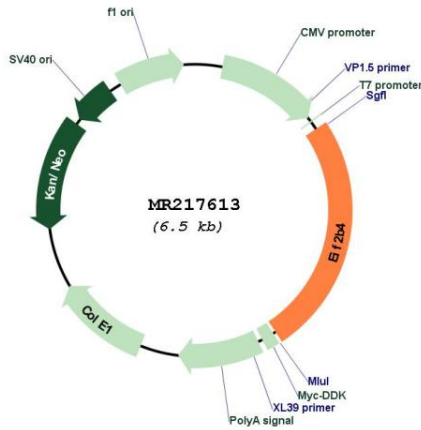
RefSeq ORF: 1635 bp

Locus ID: 13667

UniProt ID: [Q61749](#)

Cytogenetics: 5 B1
MW: 60.1 kDa
Gene Summary: Catalyzes the exchange of eukaryotic initiation factor 2-bound GDP for GTP.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR217613