

Product datasheet for RC202251

EID2B (NM_152361) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: EID2B (NM_152361) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: EID2B
Synonyms: EID-2B; EID-3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC202251 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGAGCCGACTGGGCTGTTGGAGATGTCGAGCTCCCCGGAGATAGCAGTGTCCACAGGTGGGCA
 CCGCGAGTGGCGTCAGCGACGTACTGCGGGGGCAGTCGCGCGCGGGTTCGGGTGCAGGAGGCCCGGA
 AGGCCAGTGGCCGAAGCTGCGCGGTCCATGGCGCGGATGCCGGGCCCTGTGCCGGGCCATCCCCAGC
 AGCGTCCCGGGCCTGGCCTCCGCGCCAGACCCCATCAGCAGCTCGCTTCTTAGAAATTAACCGGCAGC
 TGTTGTTCCGCGAGTATCTGGATGGTAGCTCCATGATTCCGGTCAGATTACTACGGGATTCGAGGAACG
 CCGCAGGCTGTTTGTGGAAGGCTGCAAGGCGAGGGAAGCAGCCTTTGACGCGGATCCCCGAGATGGAC
 TTCGCTGCTGTCGCTTACGGTAGCGTGACTGCCTCCGAGGCCCTCAGTCCTCTGGCCGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC202251 protein sequence
 Red=Cloning site Green=Tags(s)

MAEPTGLLEMSELPGDSSVPQVGTASGVSVDVLRGAVGGGVRVQEAREGPVAAARSMARMPGPVPGPIPS
 SVPGLASAPDPHQQLAFLEINRQLLFREYLDGSSMIPVRLLRDFEERRRLFVEGCKAREAAFDADPPQMD
 FAAVAFTVALTASEALSPLAD

TRTRPLEQK**L**ISEEDLAANDILDYKDDDDKV

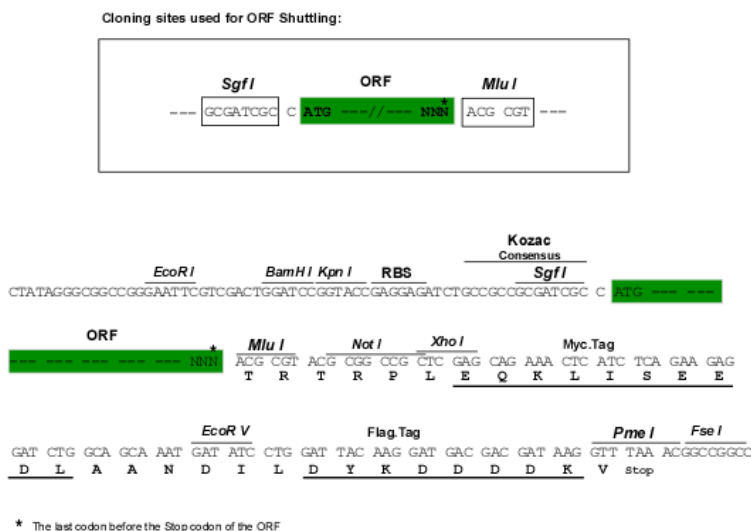
Chromatograms: https://cdn.origene.com/chromatograms/mk6344_h09.zip



[View online >](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152361

ORF Size: 483 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.

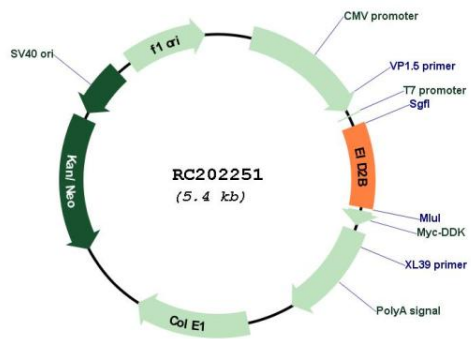
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_152361.1](#), [NP_689574.1](#)

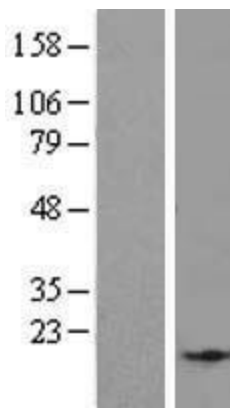
RefSeq Size: 1865 bp

RefSeq ORF: 486 bp

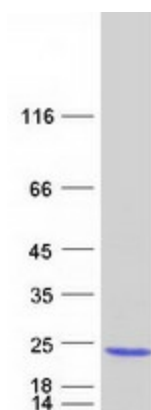
Locus ID: 126272
UniProt ID: [Q96D98](#)
Cytogenetics: 19q13.2
MW: 17 kDa
Gene Summary: Acts as a repressor of MYOD-dependent transcription, glucocorticoid receptor-dependent transcription, and muscle differentiation.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for RC202251



Western blot validation of overexpression lysate (Cat# [LY407611]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202251 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified EID2B protein (Cat# [TP302251]). The protein was produced from HEK293T cells transfected with EID2B cDNA clone (Cat# RC202251) using MegaTran 2.0 (Cat# [TT210002]).