

Product datasheet for MR218035

Eid3 (NM_025499) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eid3 (NM_025499) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Eid3
Synonyms:	1700027M21Rik; NS4EB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR218035 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACCCAGACCTCCTGGAGCTGGTGGTGGATCGAGAGAAGTGCCGAAAATCCGCAGGCAGTACCGGC
AGCTCATCTACACCGTGCAGCAGAACCAGGAGGACATTGTGAACACGCCAGCGACACGCTGAGTGAGGC
CCTGGAGGAAGCCAACGTGCTGTTTGACGGAGTGAGCAGAACCAGAGAGGCAGCCCTTGATGCCAGTTC
CTGTTTTGGCCTCTGATCTGGTAAAGAGAAGGCGAAGCAGCTAAACACCGATATGAATTTTTTAATC
CCATTGCCTTCTGCGATTTGCTGCTGTTGTTGTTGGGCTTCAATTGGGTAGAAGAGGAGTGAAGGAATT
TAGCGACTGCGATGATAGCATAGTTCTTTCCTTTTGGGGCATGTTGCACGAGGAAGCAACCTCCTGGATG
CTGCAAGCCGAAACGTTCCACTTCATTTTTGGGTCAATTAAGGCAGAAGCTTCTGCACGAAAGCCCCGGC
TTGGATGTCACAAAAGAGCTTGCAAAATGGAAGGAAGTGGAGATATGCCTACAAAGTTGAGGAGGCTGGA
TGTGCATGCTAATCAGGAGACGACAGAAAAAGAAGTTGAGAGAATCTTGGGATTGCTGCAAACTACTTT
CAAAAGTACCCCGATACTCCAGTGTACTTTGAGTTTGTGATTGATCCAAACTCATTCTCGCACTG
TGGAGAATATCTTCTATGTGCTTTTATTATTAGGGATGGCTTTCGAAGAATAAGGCTTGACCAAGACAG
GCTGCCAATTCTAGAGCCAATAATGTGAGCCAGGTGGATGATGAAAGTATTCTTATTCGTAAGTGCAGG
AAACAAGGCGTTATATCTTTGAGTTTACAGGACTGGAAAAATATTGTCTCCACTTTTGAATTTTCAGAGG
CTATGATCAAAAACCTCATAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR218035 protein sequence
Red=Cloning site Green=Tags(s)

MHPDLLELVVDREKCRKIRRQYRQLIYTVQQNREDIVNTASDTLSEALEEANVLFDGVSRTREAALDAQF
 LVLASDLGKEKAKQLNTDMNFFNPIAFCDLLLLFVGFNWVEECKEFSDCDDSIIVLFWGMLHEEATSWM
 LQAETFFHIFGSFKAERSARKPRLGCHKRACKMEGSGDMPTKLRRLDVHANQETTEKEVERILGLLQTYF
 QKYPDTPVSYFEFVIDPNSFSRTVENIFYVSFIIIRDGFARIRLDQDRLP ILEPTNVSQVDDSDSYCYCR
 KQGVISLSLQDWKNIVSTFEISEAMIKNSY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_025499

ORF Size: 930 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_025499.2](#), [NP_079775.2](#)

RefSeq Size: 1305 bp

RefSeq ORF: 1128 bp

Locus ID: 66341

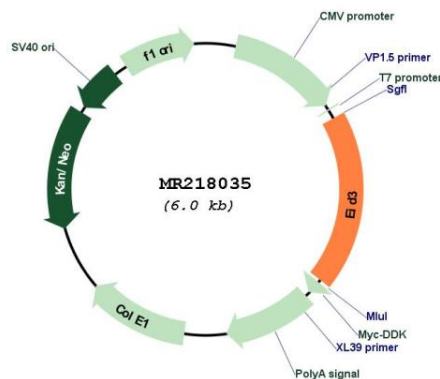
UniProt ID: [Q3V124](#)

Cytogenetics: 10 C1

MW: 36 kDa

Gene Summary: Tissue-specific component of the SMC5-SMC6 complex, a complex involved in repair of DNA double-strand breaks by homologous recombination. The complex may promote sister chromatid homologous recombination by recruiting the SMC1-SMC3 cohesin complex to double-strand breaks. The complex is required for telomere maintenance via recombination and mediates sumoylation of shelterin complex (telosome) components (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR218035