

Product datasheet for RN201693

Eid3 (NM_001044304) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Eid3 (NM_001044304) Rat Untagged Clone
Tag: Tag Free
Symbol: Eid3
Synonyms: NS4EB
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN201693 representing NM_001044304
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTGAAGAAAATGTTCCCTTACTGGAGGCGAAGAGAAAGGAGAGGAGCTGGCCAGAAGCCTGGCGT
 GGCAGCACCTGGTGAAGCAGGCGGAAGAAGACGATGATGATGACGAAGAGGCACTGAAGAAGGAAGAGGA
 GGAGGAAGAGGAGGAGGAGGAGGAAGATGAAGAGGAAGAAGAGGAAGGCCCGGATAGTAGCTCGGATGAC
 CTGAGCCCCGAGGCCCTGCATGCACCCAGACCTCCTGGAGCTGGCGGTGGACCGAGAGAAGTGCCGCA
 GCATCCGCAGGCAGTACCGGCAGCTCATCTACCCGTGCAGCAGAACC CGGAGGACATCGTGAACACGGC
 CAGCGACTCGCTGACGGAGGCCCTGGAGGAAGCCAATGTGCTGTTTGACGGGGTGAGCCGAACCAGAGAG
 GCAGCCCTCGACGCCAGTTTCTGGTTTTGGCTTCTGATCTGGGTAAGAAAAAGCAAAGCAGCTAAACT
 CGGATATGAGCTTTTTAATCACGTGGCCTTCTGTGAGTTGCTGTTGGTGTGTTGGGCTCAACTGGAT
 GGAGGAGGAGTGTGAGGAATTGAGCGAGTGCATGAAAGCATAGCGCTTTCCTTCTGGAACATGCTGCAC
 AAGGAAGCGACGGCCTGGATGCTGCAAGCCGAAACGTTCCATTTTCATTTTTGGTTCATTTAAGGCAGA
 GTTCTGCACGAAAGCCCCGGCAGGAACATCACAACGAGCTTGCAAAATGGAAGGAAATGGGGATATGCC
 TACAAAGTTGAGGAAGCTGGATGTGCATGCTAATCAGGAGACGACAGAAAAAGAAGTGGAGAGAATCTTG
 GGATTGCTGCAAACTACTTTCAAAGTACCCGATACTCCAGTGTGATTTTTGAATTTGTGATCGATC
 CAAACTCATTCTCTGCACCGTGGAGAATATCTTCTACGTTTCTTTTATTATTAGGGATGGCTTTGCAAG
 AATAAGGCTTGACCAAGACAGACTGCCAATTCTCGAGCCAACCAATGTTAACCAGGTGGATGAAGAAAAT
 GACTCGTGTCTTACTGCAGGAAACAAGGAGTTATCTTTGAGTTTACAGGACTGGAAGAATATTGTCT
 CCACCTTTGAAATTTAGAGGCTATGATCAAAAATTCATACTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001044304
Insert Size:	1164 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_001044304.1</u> , <u>NP_001037769.2</u>
RefSeq Size:	1349 bp
RefSeq ORF:	1164 bp
Locus ID:	691688
UniProt ID:	<u>Q4V8G2</u>
Cytogenetics:	7q13
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]