

Product datasheet for **MC210336**

Eid3 (NM_025499) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Eid3 (NM_025499) Mouse Untagged Clone
Tag: Tag Free
Symbol: Eid3
Synonyms: 1700027M21Rik; NS4EB
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210336 representing NM_025499
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTCTAAAGAAAATGTTCCCTTACTGGAGGCAAAGAGAAAAGAGGGGAGCTGGTCCGGAGTCTGGCAT
GGCAGCACCTGGTAAACAGGAGGAGGAAGAGGCAGTGAAGAAGGAAGAAAAGGAGGAAGGGGAAGATGA
GGAGGAGGAAGGCTCAGACAGTAGCTCCGATGACCCGAACCCCGAGCCCCCTGCATGCACCCAGACCTC
CTGGAGCTGGTGGTGGATCGAGAGAAGTCCCGCAAATCCGCAGGCAAGTACCGGCAGCTCATCTACACCG
TGCAGCAGAACC CGCAGGACATTGTGAACACGGCCAGCGACACGCTGAGTGAGGCCCTGGAGGAAGCCAA
CGTGCTGTTTGACGGAGTGAGCAGAACCAGAGAGGCAGCCCTTGATGCCAGTTCCTGGTTTTGGCCTCT
GATCTGGGTAAAGAGAAGGCGAAGCAGCTAAACACCGATATGAACTTTTTAATCCCATTGCCTTCTGCG
ATTTGCTGCTGTTGTTTGTGGCCTTCAATTGGGTAGAAGAGGAGTGAAGGAATTTAGCGACTGCGATGA
TAGCATAGTTCCTTTCCTTTTGGGCATGTTGCACGAGGAAGCAACCTCCTGGATGCTGCAAGCCGAAACG
TTCCACTTCATTTTTGGGTCATTTAAGGCAGAACGTTCTGCACGAAAGCCCGCTTGGATGTCACAAAA
GAGCTTGCAAAATGGAAGGAAGTGGAGATATGCCTACAAAGTTGAGGAGGCTGGATGTCATGCTAATCA
GGAGACGACAGAAAAAGAAGTTGAGAGAATCTTGGGATTGCTGCAACCTACTTTCAAAAGTACCCCGAT
ACTCCAGTGTCATACTTTGAGTTTGATTGATCCAAACTCATTCTCTCGCACTGTGGAGAATATCTTCT
ATGTGTCTTTTATTATTAGGGATGGCTTTGCAAGAATAAGGCTTGACCAAGACAGGCTGCCAATTCTAGA
GCCAACTAATGTGAGCCAGGTGGATGATGAAAGTGATTCTATTCGTAAGTGCAGGAAACAAGGCGTTATA
TCTTTGAGTTTACAGGACTGGAAAAATATTGTCTCCACTTTTGAATTTTCAGAGGCTATGATCAAAA
CATATTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul



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|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ACCN: | NM_025499 |
| Insert Size: | 1128 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: | NM_025499.2 , NP_079775.2 |
| RefSeq Size: | 1305 bp |
| RefSeq ORF: | 1128 bp |
| Locus ID: | 66341 |
| UniProt ID: | Q3V124 |
| Cytogenetics: | 10 C1 |
| 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] |