

Product datasheet for **MG218035**

Eid3 (NM_025499) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eid3 (NM_025499) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Eid3
Synonyms:	1700027M21Rik; NS4EB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG218035 representing NM_025499 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCCAGACCTCCTGGAGCTGGTGGTGGATCGAGAGAAGTGCCGAAAATCCGCAGGCAGTACCGGC
AGCTCATCTACACCGTGCAGCAGAACC GCGAGGACATTGTGAACACGGCCAGCGACACGCTGAGTGAGGC
CCTGGAGGAAGCCAACGTGCTGTTTGACGGAGTGAGCAGAACCAGAGAGGCAGCCCTTGATGCCAGTTC
CTGTTTTGGCCTCTGATCTGGTAAAGAGAAGGCGAAGCAGCTAAACACCGATATGAATTTTTTAATC
CCATTGCCTTCTGCGATTTGCTGCTGTTGTTTGGGGCTCAATTGGGTAGAAGAGGAGTGAAGGAATT
TAGCGACTGCGATGATAGCATAGTTCTTTCCTTTTGGGGCATGTTGCACGAGGAAGCAACCTCCTGGATG
CTGCAAGCCGAAACGTTCCACTTCAATTTTTGGGTCAATTAAGGCAGAACGTTCTGCACGAAAGCCCCGGC
TTGGATGTCACAAAAGAGCTTGCAAAATGGAAGGAAGTGGAGATATGCCTACAAAGTTGAGGAGGCTGGA
TGTGCATGCTAATCAGGAGACGACAGAAAAAGAAGTTGAGAGAATCTTGGGATTGCTGCAAACTACTTT
CAAAAGTACCCCGATACTCCAGTGTCACTTTGAGTTTGTGATTGATCCAAACTCATTCTCGCACTG
TGGAGAATATCTTCTATGTGCTTTTATTATTAGGGATGGCTTTGCAAGAATAAGGCTTGACCAAGACAG
GCTGCCAATTCTAGAGCCAATAATGTGAGCCAGGTGGATGATGAAAGTATTCTTATTCGTA CTGCAGG
AAACAAGGCGTTATATCTTTGAGTTTACAGGACTGGAAAAATATTGTCTCCACTTTTGAATTTTCAGAGG
CTATGATCAAAAACCTCATAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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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:	<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]