

Product datasheet for **SC301286**

EID3 (NM_001008394) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EID3 (NM_001008394) Human Untagged Clone
Tag:	Tag Free
Symbol:	EID3
Synonyms:	NS4EB; NSE4B; NSMCE4B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC301286 representing NM_001008394. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAGATGGATGTGTCAGTGAGGGCCGCGGGCTGCTCCGACGACCTCAGCTCTGGGGAGGCCGACGTA
GACCCAAAGCTCCTGGAGCTCACCGCTGACGAGGAGAAGTGCCGCAGCATCCGCAGGCAGTACCGGCAG
CTCATGTACTGCGTGCGGCAGAACCGGGAGGACATCGTGAGCTCGGCGAACAACTCCTTAACCGAGGCT
CTGGAGGAAGCCAACGTCTCTTTGATGGCGTGAGCCGAACCAGAGAAGCAGCCCTCGACGCCCGGTTT
CTTGTTATGGCTTCTGATTTGGGTAAGAAAAGGCAAAGCAGTTAACTCAGATATGAATCTTTAAT
CAGTTAGCATTTTGTGACTTTCTGTTTCTGTTCTGTTCTGAATTGGATGGAAGGCGATCCTGACAAG
TTGAGTGATTGTGATGATAGCATAGCTCTTTCCTTCTGGAAGGCAATAGAAAAGGAAGCAACATCCTGG
ATGGTAAAAGCTGAGACATTCCATTTTGTGTTTGGTTCATTCAAGCTAGAACGTTCTGCACCAAAGCCC
CGACTTGAACACCAGAAAAAGTTGCAAGATGGAAGAAAATGGCAACATGCCTACAAAAGTTGCAGAAG
TTGGACCTGAGTAGTTATCCAGAAGCGACAGAAAAACGTAGAAAGGATTTTGGGATTGTTGCAAAACC
TACTTTCGAAAGTATCCTGATACTCCTGTGCTCTATTTGAGTTTGTGATTGATCCAAACTCTTTTTCT
CGTACTGTGGAGAATATATTTATGTTTCTTTTATTGTAAGAGATGGTTTTGCAAGAATAAGGCTTGAT
GAAGACAGGCTGCCAATATTAGAGCCGATGAATGTTAACCAATGGGTGAGGGAATGATTCCAGTTGC
CATGGCAGGAAACAGGGAGTTATCTTTGACTTTACAGGAGTGGAAAAACATTGTGGCAGCTTTTGAA
ATTTCTGAGGCTATGATTACATACTCCTCATACTAA
ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001008394
Insert Size:	1002 bp



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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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA
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_001008394.1</u>
RefSeq Size:	1486 bp
RefSeq ORF:	1002 bp
Locus ID:	493861
UniProt ID:	<u>Q8N140</u>
Cytogenetics:	12q23.3
MW:	38.2 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.[UniProtKB/Swiss-Prot Function]