

Product datasheet for **SC123535**

EID3 (BC027612) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EID3 (BC027612) Human Untagged Clone
Tag:	Tag Free
Symbol:	EID3
Synonyms:	E1A-like inhibitor of differentiation 3; EP300 interacting inhibitor of differentiation 3; FLJ25832; NSE4B; NSMCE4B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for BC027612 edited
 ACTTTCCACACGCTGGGAGGGCCGTTACCTCAGAGATACCCGTGGCCGGCATGTTGGTTG
 AAAAAGCTTCCCGGAAGGGAGACGAAGAGAAAGGAGAGGAGCAGCTCGTGATCATCCCCG
 GTAGCGAGTACGCGGCGAAGTAGGCGGGCGGAGGGAGCGCTGATGAAGATGGATGTGT
 CAGTGAGGGCCGCGGGCTGCTCCGACGACCTCAGCTCTGGGGAGGCCGACGTAGACCCAA
 AGCTCCTGGAGCTCACCCTGACGAGGAGAAGTCCCGCAGCATCCGCAGGCAGTACCGGC
 AGCTCATGTACTCGTGCAGCAACCCGGAGGACATCGTGAGCTCGGCGAACAACCTCCT
 TAACCGAGGCTCTGGAGGAAGCCAACGTCTCTTTGATGGCGTGAGCCGAACCAGAGAAG
 CAGCCCTCGACGCCCGTTTCTTGTATGGCTTCTGATTTGGGTAAGAAAAGGCAAAGC
 AGTTAAACTCAGATATGAACTTCTTTAATCAGTTAGCATTTTGTGACTTTCTGTTTCTGT
 TCGTGGGTCTGAATTGGATGGAAGGCGATCCTGACAAGTTGAGTGATTGTGATGATAGCA
 TAGCTCTTCTCTGGAAGGCAATAGAAAAGGAAGCAACATCCTGGATGGTAAAAGCTG
 AGACATTCATTTGTTTTGGTTCATTCAAGCTAGAACGTTCTGCACCAAAGCCCCGAC
 TTGAACACCAGAAAAAGTTCGCAAGATGGAAGAAAATGGCAACATGCCTACAAAGTTGC
 AGAAGTTGGACCTGAGTAGTTATCCAGAAGCGACAGAAAAAACGTAGAAAGGATTTTGG
 GATTGTTGCAAACTACTTTGAAAAGTATCCTGATACTCCTGTGCTATTTTGGATTTG
 TGATTGATCCAACTCTTTTCTCGTACTGTGGAGAATATATTTTATGTTTCTTTTATTG
 TAAGAGATGGTTTTGCAAGAATAAGGCTTGATGAAGACAGGCTGCCAATATTAGAGCCGA
 TGAATGTTAACCAATGGGTGAGGGAAATGATTCCAGTTGCCATGGCAGGAAACAGGGAG
 TTATATCTTTGACTTTACAGGAGTGGAACAACTTGTGGCAGCTTTTGAATTTCTGAGG
 CTATGATTACATACTCCTACTAAAGATTTCTTAGTATAGCATCCTTTTGTGTTTTT
 TTTCTGAAGTTAGATGGAGAGTAAAATGAACTGAAGCACATATTGTATCTCTTGTAAG
 GTGAAAAAGTATTTTCAAGAACATCAGACATTGTTTTACTGTGCAGCATATTTTTCTTAG
 TAATTTATAAGGTCATGATCTTCTGTTATTAACAACAAATCACTGGCATATTTATGGGAA
 CGTTTTATTGAATGCCCTTAAAGACTATTAATAAAAAACAAGTTTTGGATACCAAAAAAAA
 AAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for BC027612 unedited
 NGAAGTCGGGATTTGTATACGACTTATATAGGCGGCCGCATAACTTCGTATAGCATACAT
 TATACGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTGAGAGCGGACTTT
 CCACACGCTGGGAGGGCCGTTACCTCAGAGATACCCGTGGCCGGCATGTTGGTTGAAAAA
 GCTTCCCGGAAGGGAGACGAAGAGAAAGGAGAGGAGCAGCTCGTGATCATCCCCGGTAGC
 GAGTACGCGGCGAAGTAGGCGGGCGGAGGGAGCGCTGATGAAGATGGATGTGTGAGTG
 AGGGCCGCGGGCTGCTCCGACGACCTCAGCTCTGGGGAGGCCGACGTAGACCCAAAGCTC
 CTGGAGCTCACCCTGACGAGGAGAAGTCCCGCAGCATCCGCAGGCAGTACCGGCAGCTC
 ATGTACTCGTGCAGCAACCCGGAGGACATCGTGAGCTCGGCGAACAACCTCTTAACC
 GAGGCTCTGGAGGAAGCCAACGTCTCTTTGATGGCGTGAGCCGAACCAGAGAAGCAGCC
 CTCGACGCCCGTTTCTTGTATGGCTTCTGATTTGGGTAAGAAAAGGCAAAGCAGTTA
 AACTCAGATATGAACTTCTTTAATCAGTTAGCATTTTGTGACTTTCTGTTTCTGTTTCGTG
 GGTCTGAATTGGATGGAAGGCGATCCTGACAAGTTGAGTGATTGTGATGATAGCATAGCT
 CTTTCTTCTGGGAGGCAATAAGAAAGGAAGCAACATCCTGGATGGTAAAAGCTGAGACA
 TTCCATTTGTTTTTGGTTCATTCAAGCTAGAACGTTCTGCACCAAAGCCCCGACTTG
 AACACCAGAAAAAGTTCGAGGATGGAAGAAAATGGCAACATGCCTACAAAGTTGCAG
 AAGTTGGA

Restriction Sites: Please inquire
ACCN: BC027612
Insert Size: 1452 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:	BC027612.2 , AAH27612.1
RefSeq Size:	1447 bp
Locus ID:	493861
Cytogenetics:	12q23.3
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]