

## Product datasheet for **SC109981**

### EED (NM\_152991) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	EED (NM_152991) Human Untagged Clone
Tag:	Tag Free
Symbol:	EED
Synonyms:	COGIS; HEED; WAIT1
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_152991, the custom clone sequence may differ by one or more nucleotides

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ATGTCCGAGAGGGAAGTGTGCGACTGCGCCGGCGGGAACAGACATGCCTGCGGCCAAGAAGCAGAAGCTGA
GCAGTGACGAGAACAGCAATCCAGACCTCTCTGGAGACGAGAATGATGACGCTGTCAGTATAGAAAGTGG
TACAAACTGAACGCCCTGATACACCTACAAACAGCCAAATGCACCTGGAAGGAAAAGTTGGGGAAAG
GGAAAATGGAAGTCAAAGAAATGCAAAATATTCTTTCAAATGTGTAATAGTCTCAAGGAAGATCATAACC
AACCATTGTTTGGAGTTCAGTTTAACTGGCACAGTAAAGAAGGAGATCCATTAGTGTTCACACTGTAGG
AAGCAACAGAGTTACCTTGTATGAATGTCATTCACAAGGAGAAAATCCGGTTGTTGCAATCTTACGTGGAT
GCTGATGCTGATGAAAACTTTTACACTTGTGCATGGACCTATGATAGCAATACGAGCCATCCTCTGCTGG
CTGTAGCTGGATCTAGAGGCATAATTAGGATAATAAATCCTATAACAATGCAGTGTATAAAGCACTATGT
TGGCCATGGAAATGCTATCAATGAGCTGAAATTCATCCAAGAGATCCAATCTTCTCCTGTCAGTAAGT
AAAGATCATGCTTACGATTATGGAATATCCAGACGGACACTCTGGTGGCAATATTTGGAGGCGTAGAAG
GGCACAGAGATGAAGTTCTAAGTGCTGATTATGATCTTTGGGTGAAAAAATAATGTCCTGTGGTATGGA
TCATTCTTTAACTTTGGAGGATCAATTCAAAGAGAATGATGAATGCAATTAAGGAATCTTATGATTAT
AATCCAAATAAACTAACAGGCCATTTATTTCTCAGAAAATCCATTTTCTGATTTTTCTACCAGAGACA
TACATAGGAATTATGTTGATTGTGCGATGGTTAGGCGATTTGATACTTTCTAAGTCTTGTGAAAATGC
CATTGTGTGCTGGAAACCTGGCAAGATGGAAGATGATATAGATAAAAATTAACCCAGTGAATCTAATGTG
ACTATTCTGGGCGATTTGATTACAGCCAGTGTGACATTTGGTACATGAGGTTTTCTATGGATTTCTGGC
AAAAGATGCTTGCAATGGCAATCAAGTTGGCAAATTTATGTTGGGATTTAGAAGTAGAAGATCCTCA
TAAAGCCAAGTAA
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_152991 unedited  GGATTTTGTAAATACGACTTCACTATAGGGCGGCCGGAATTCGGCACGAGGGAAGCCGCG  CGGGAGGGCGCGCGCGCGCCCTTTTTCAGCAGTGTGGCGGGTTCGCACGCACGCCCG  CCTCGGCGGTGGGCGGATTTGCGACAGTGGGGGGGGCGGTGGAGGTGGCGGCGGCAGC  GGCAACTTTGCGCAAGCTCGGGCCGGCTTGTGACGGCGGTGGCGGAGGCCCCCGC  CCCAGGCGGCAGGAACCTGGAGGGAGGCGGAGGAATATGTCCGAGAGGGAAGTGTGCGAT  GCGCCGCGGGAACAGACATGCCTGCGGCCAAGAAGCAGAAGCTGAGCAGTGCAGGAAC  AGCAATCCAGACCTCTCTGGAGACGAGAATGATGACGCTGTAGTATAGAAAGTGGTACA  AACACTGAACGCCTGATACACCTACAAACACGCCAAATGCACCTGGAAGGAAAAGTTGG  GGAAAGGAAAAATGGAAGTCAAAGAAATGCAAATATTCTTTCAAATGTGTAATAGTCTC  AAGGAAGATCATAACCAACCATTGTTTGGAGTTCAGTTAACTGGCACAGTAAAGAAGGA  GATCCATTAGTGTGCAACTGTAGGAAGCAACAGAGTTACCTTGTATGAATGTCATTCA  CAAGGAGAAATCCGGTTGTGCAATCTTACGTGGATGCTGATGCTGATGAAAACCTTTAC  ACTTGTGCATGGACCTATGATAGCAATACGAGCCATCCTCTGCTGGCTGTAGCTGGATCT  AGAGGCATAATTAGGATAATAAATCCTATNACAATGCAGTGTATAAAGCACTATGTTGGC  CCATGAAATGCTANTCATGAGCTGAAATTCATNNCAGAGATCCAATCTCTNCTGTGAGT  AGTAAAAGATCATGCTTACGATNATGGAATATCCAGACGACACTCTGTGGCATATTNGNA  GCGTANAAGGCACCNAATGAGTACTAGTGTGATATGT</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_152991 unedited  AGGANAGCACTGGGNNAGGGTCAAGGGATGCCACCCGGGTATCTGTTCCAGGAAAACAGCT  ATGACCGCGCCCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTACAAAAATAAATTT  TTATTAAGCAGTAGAGTCTGAGCAGGAAGACAGTACAAAGAATGTAACAATGTAAC  ATCACTACATTCAGCTCAGCCTGATTGAATGCTGAAAGACAACCTAAATGCTCTACGTG  CCCTTAGCAAGATACATTAATCTATTTTACACAGACAACAACACACTCTAATTTT  GATTAGGCAAAAGTATTTTATCGAAGTCGATCCCAGCGCAAATACTGGCATCATCAAA  ACAGCTATAAGAATGCTGCTATCCCTGCTAAAACCTGGTTTGTGCGAATAGCAGCACCACAT  TTATGATGAGTCAGTGTGTACATTTGGCTTTATGAGGATCTTCTACTTCAAATCCCAA  ACATAAAGTTTGCCAACTTGATTGCCCAATGCAAGCATCTTTTCCAGAAATCCATAGAA  AACCTCATGTACCAATGTCACACTGGCTGTAATCAAATCGCCCAAGAATAGTCACATTA  GATTCAGTGGGTTAATTTTATCTATATCATCTTCCATCTTGCCAGGTTTCCAGCACACA  ATGGCATTTCACAAGACTTAGAAAGTATCAAATCGCCTAACCATCGCACACAATCAACA  TAATTCATATGTATGCTCTGGTAGAAAATCAGGAAAAGGATTTTCTGAGAAATAATGGC  CTGTTAGTTTATTTGGATTATAACAATAGATTCTTAATTGCATTCTCATTCTCTTTGGAT  TGATCTNCAAGTTTAAGAGATGAT</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_152991
<b>Insert Size:</b>	1900 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_152991.1</a></u> , <u><a href="#">NP_694536.1</a></u>
<b>RefSeq Size:</b>	2413 bp
<b>RefSeq ORF:</b>	1203 bp
<b>Locus ID:</b>	8726
<b>Cytogenetics:</b>	11q14.2
<b>Domains:</b>	WD40
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Gene Summary:</b>	<p>This gene encodes a member of the Polycomb-group (PcG) family. PcG family members form multimeric protein complexes, which are involved in maintaining the transcriptional repressive state of genes over successive cell generations. This protein interacts with enhancer of zeste 2, the cytoplasmic tail of integrin beta7, immunodeficiency virus type 1 (HIV-1) MA protein, and histone deacetylase proteins. This protein mediates repression of gene activity through histone deacetylation, and may act as a specific regulator of integrin function. Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) contains an additional segment within the coding region, which results in immediate translation termination, compared to variant 1. The resulting isoform (b) contains a shorter C-terminus compared to isoform a.</p>