

## Product datasheet for SC108260

### EED (NM\_003797) Human Untagged Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | EED (NM_003797) Human Untagged Clone  |
| Tag:                      | Tag Free  |
| Symbol:                   | EED   |
| Synonyms:                 | COGIS; HEED; WAIT1  |
| Mammalian Cell Selection: | None  |
| Vector:                   | <u><a href="#">pCMV6-XL5</a></u>  |
| E. coli Selection:        | Ampicillin (100 ug/mL)  |
| Fully Sequenced ORF:      | >OriGene ORF within SC108260 sequence for NM_003797 edited (data generated by NextGen Sequencing) |

```

ATGTCCGAGAGGGAAGTGTGCGACTGCGCCGGCGGGAACAGACATGCCTGCGGCCAAGAAG
CAGAAGCTGAGCAGTGACGAGAACAGCAATCCAGACCTCTCTGGAGACGAGAATGATGAC
GCTGTCAGTATAGAAAAGTGGTACAAACTGAACGCCCTGATACACCTACAAACACGCCA
AATGCACCTGGAAGGAAAAGTTGGGAAAAGGAAAATGGAAGTCAAAGAAATGCAAATAT
TCTTTCAAATGTGTAATAGTCTCAAGGAAGATCATAACCAACCATTGTTGGAGTTCAG
TTTAACTGGCACAGTAAAGAAGGAGATCCATTAGTGTGCAACTGTAGGAAGCAACAGA
GTTACCTTGTATGAATGTCATTCACAAGGAGAAAATCCGGTTGTTGCAATCTTACGTGGAT
GCTGATGCTGATGAAAACTTTACACTTGTGCATGGACCTATGATAGCAATACGAGCCAT
CCTCTGCTGGCTGTAGCTGGATCTAGAGGCATAATTAGGATAATAAATCCTATAACAATG
CAGTGTATAAAGCACTATGTTGGCCATGGAAATGCTATCAATGAGCTGAAATTCATCCA
AGAGATCCAAATCTTCTCCTGTCAGTAAGTAAAGATCATGCTTTACGATTATGGAATATC
CAGACGGACACTCTGGTGGCAATATTTGGAGGCGTAGAAGGGCACAGAGATGAAGTTCTA
AGTGCTGATTATGATCTTTGGGTGAAAAAATAATGCCTGTGGTATGGATCATTCTCTT
AACTTTGGAGGATCAATTCAAAGAGAATGATGAATGCAATTAAGGAATCTTATGATTAT
AATCCAAATAAACTAACAGGCCATTTATTTCTCAGAAAATCCATTTTCTGATTTTTCT
ACCAGAGACATACATAGGAATTATGTTGATTGTGTGCGATGGTTAGGCGATTTGATACTT
TCTAAGTCTTGTGAAAATGCCATTGTGTGCTGGAACCTGGCAAGATGGAAGATGATATA
GATAAAATTAACCCAGTGAATCTAATGTGACTATTCTTGGGCGATTTGATTACAGCCAG
TGTGACATTTGGTACATGAGTTTTCTATGGATTTCTGGCAAAAGATGCTTGCATTGGGC
AATCAAGTTGGCAAACTTTATGTTTGGATTTAGAAGTAGAAGATCCTCATAAAGCCAAA
TGTACAACACTGACTCATATAAATGTGGTGCTGCTATTTCGACAAACCAGTTTTAGCAGG
GATAGCAGCATTCTTATAGCTGTTTGTGATGATGCCAGTATTTGGCGCTGGGATCGACTT
CGATAA

```

Clone variation with respect to NM\_003797.3



[View online »](#)

|                                     |  |
|-------------------------------------|--|
| <b>5' Read Nucleotide Sequence:</b> | <p>&gt;OriGene 5' read for NM_003797 unedited</p> <pre> AAACGCAATTCGCACGAGCCTCGTGCCGAATTCGGCACGAGGGTCGCACGCACGCCCGCC TCGGCGGCTGGGCGCGATTTGCGACAGTGGGGGGGGCGGTGGAGGTGGCGGCGGCAGCGG CAACTTTGCGGCAAGCTCGGGCCGGCTTGCTTGACGGCGGTGTGGCGGAGGCCCCCGCT TATGCGGCAGGAACCTGGAGGGAGGCGGAGGAATATGTCCGAGAGGGAAGTGTGACTGC GCCGGCGGGAACAGACATGCCTGCGGCCAAGAAGCAGAAGCTGAGCAGTGACGAGAACAG CAATCCAGACCTCTCTGGAGACGAGAATGATGACGCTGTCAATATAGAAAGTGGTACAAA CACTGAACGCCCTGATACACCTACAAACACGCCAAATGCACCTGGAAGGAAAAGTTGGGG AAAGGGAAAATGGAAGTCAAAGAAATGCAATATTCTTTCAAATGTGTAATAGTCTCAA GGAAGATCATAACCAACCATTGTTTGGAGTTCAGTTTAACTGGCACAGTAAAGAAGGAGA TCCATTAGTGTGCAACTGTAGGAAGCAACAGAGTTACCTTGTATGAATGTCATTACACA AGGAGAAATCCGGTTGTTGCAATCTTACGTGGATGCTGATGCTGATGAAAACCTTTACAC TTGTGCATGGACCTATGATAGCAATACGAGCCATCCTCTGCTGGCTGTAGCTGGATCAN GAGCATAATTANGATAATAAATCCTATAACAATGCAGTGTATAAAGCACTATGTTGGCCA TGGAAATGCTATCAATGAGCTGAAATTCATCCAAGAGATCCAAATCTNCTNCTGTCAAGT AAGTAAAGATTATGCTTTACGATTATGGAATATTCAGACGGACACTCTGGC </pre>   |
| <b>3' Read Nucleotide Sequence:</b> | <p>&gt;OriGene 3' read for NM_003797 unedited</p> <pre> CGCGGCCCAATCTAAAGTCGAGTTTTTTTTTTTTTTTTTTTACAAAAATAAATTTTTATT AAAAGCAGTAGAGTCTGAGCAGGAAGACAGTACAAAGAATGTAACAATGTAAACATCAC TACATTCAGCTCAGCCTGATTGAATGCTGAAAGACAACCTAAATGCTCTACGTGCCCTT ACTAGCAAGATACATTAATTCTATTTTACACAGACAACAAACACACTCTAATTTTGATTA GGCAAAAGTATTTTATCGAAGTCGATCCCAGCGCAAATACTGGCATCATCACAACAGC TATAAGAATGCTGCTATCCCTGCTAAAACCTGGTTGTGCGAATAGCAGCACCACATTTATG ATGAGTCAGTGTTGTACATTTGGCTTTATGAGGATCTTCTACTTCTAAATCCCAAACATA AAGTTTGCCAACCTTGATTGCCCAATGCAAGCATCTTTGCCAGAAATCCATAGAAAACCT CATGTACCAAAATGTCACACTGGCTGTAATCAAATCGCCCAAGAATAGTCACATTAGATTC ACTGGGTTTAATTTTATCTATATCATCTTCCATCTTGCCAGGTTTCCAGCACACAATGGC ATTTTACAAGACTTAGAAAATGATCAAATCGCCTAACCATCGCACACAATCAACATAATT CCTATGTATGTCTCTGGTAGAAAATCAGGAAAATGGACTTCTGAGAAAAAATGGCCTGT TAGTNTTATTTGGGATATAATCATAAGAATCCTTAATNGCATTATCATTCTTTTGAAT CGATCCTCCAGGTTTAGAAGATGATCCATCCACCGGACATTTTTTTTCCACAAAAGAC ATAATCAGCCTTAAAACCTCCTTGGGCCCTTACGCTCAAATTTGCCCGAAGGCCGT TTGTAATTCATAACGAAAACAGAACTTCTACTGCCGAGAAAATGACCTTGGTGGAAAT CACTATGAAGCCTCCCTGGCAAAAAGCGTTACCCGATGGTTAGATAATCCCT </pre> |
| <b>Restriction Sites:</b>           | NotI-NotI  |
| <b>ACCN:</b>                        | NM_003797  |
| <b>Insert Size:</b>                 | 1690 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).   |

**Reconstitution Method:**

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\\_003797.2](#), [NP\\_003788.2](#)

**RefSeq Size:** 2006 bp

**RefSeq ORF:** 1326 bp

**Locus ID:** 8726

**UniProt ID:** [O75530](#)

**Cytogenetics:** 11q14.2

**Domains:** WD40

**Protein Families:** Druggable Genome, Transcription Factors

**Gene Summary:** 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]  
Transcript Variant: This variant (1) lacks an in-frame exon in the 3' coding region compared to variant 3. It encodes isoform a, which is shorter than isoform c.