

Product datasheet for **SC100998**

EID2 (NM_153232) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EID2 (NM_153232) Human Untagged Clone
Tag:	Tag Free
Symbol:	EID2
Synonyms:	CR12; EID-2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_153232, the custom clone sequence may differ by one or more nucleotides

```
ATGTCCAAGCTGCCCGCAGACAGCAGTGTCCCGCAGACAGGCGCGGCGAATGGTGACAGAGACGTCCCGC
AGGCGGAGGTAGGCCGCGGGAGGCGGGAGCCGCGCCCGGCACAGCCTGAGGAGGCCGGGAAGCGCGAT
GGCGGGCGCCAGGGGAGGCCCGGTGCCGCGGCCAGGGAAGGTCGGATGGCGGGCCAGGGCAGCCCCG
GCGGGCGCAGCCAGGGGAGCCCCGGTGGCAGCGGCGGCGTTGGCCAGGGCAGCCGCGGGGCGAGGGAAA
GCCCGGGCGGCGGCGGCCAGGGAAGCCCGGATGGCGGAGGTCGCCCGCTTGCTGGGGGAGCCAGTGGA
CGAAGAGGGTCCCAGGGCAGGCCAGGTCCAGACACGGGAACGGAGGCCTGGCTGCGTTGCCCTATCTC
CGTCTCCGCCACCCACTTAGCGTTTTAGGCATCAATTACCAGCAGTTTCTCCGCCACTATCTGGAAAATT
ACCCGATTGCTCCCGGCAGAATACAAGAGCTTGAAGAACGCCGCAGGCGATTGTTGGAAGCCTGCAGAGC
AAGGGAAGCAGCGTTTGATGCCGAATATCAGCGAAATCCTCACAGGGTGGACCTCGATATTTAACCTTT
ACGATAGCTCTGACTGCCTCTGAAGTTATCAACCTCTGATAGAAGAAGTTGGTTGCGATAAGTTTATCA
ATAGAGAATAG
```



[View online »](#)

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_153232 unedited GATTTTGTATCCGACTCTATGGGCGGCCGGAATTCGGCACCAGGCCGGGCATCGCTCT GTCCAGTTATTCCAGTTTCTCTGGGAGCAGCCGAGTTGACCCACGGTCTGAGATGTCCA AGCTGCCCCGACAGCAGTGTCCCGCAGACAGGCCGGCGGAATGGTGACAGAGACGTGC CGCAGGCCGGAGGTAGGCCGCGGGAGGCCGGGAGCCCGCCCGGCACAGCCTGAGGAGGCCG GGGAAGGCCGATGGCGCGGCCAGGGGAGGCCGGTCCCGCGGCCAGGGCAGGTGCGA TGGCGGCCGGCCAGGGCAGCCCGCGCGGCAGCCAGGGGAGCCCGGTGGCAGCGGCCG CGTTGGCCAGGGCAGCCCGCGCGGGCAGGAAAGCCCGCGCGGCCGGCCAGGGAAG CCCGATGGCGGAGTTCGCCGCTTGTGGGGAGCCAGTGACGAAGAGGGTCCCGAGG GCAGGCCAGGTCCAGACACGGGAACGGAGGCCTGGTGCCTTGCCTATCTCCGCTCC GCCACCCACTTAGCGTTTAGGCATCAATTACCAGCAGTTTCTCCGCACTATCTGGAAA ATTACCCGATTGCTCCCGCAGAATAACAAGAGCTTGAAGAACGCCGAGGCGATTCTGG AAGCTGCAGAGCAAGGGAAGCAGCGTTTGTGCCGAATATCAGCGAAATCCTCACAGG TGGACCTCGATATTTAACCTTTACGATAGCTCTGACTGCCTCTGGAGTTATCAACCTC TGATAGAAGAACTTGCTTGCATAAGTTTATCAATAGAGGATAATTATGGGTGACACTA CTTCAGAGAACTCTGCATTATTATCATACCAATCTGCAACTTGTATTTGAGAAGTCAAG AGTATATCCGCGATAGAACGGGCCAGGTGGGAGGAAAAAAGGGGAAAGCGGACGTTATC TTGAAAGCTCCTCAATTGGGAAAGTGGTAAGCTTACGCGGAAGCTCTTGGA</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_153232 unedited NNAAGATACTTTATGNNACCGCGCCGATTCTANGATCGAGTTTTTTTTTTTTTTTTTT TGACGTTCTTGAAAAGTATTTATCACATAATATACATTTACTTTGCTTGCACTTGA AATGCCTAAGAAAACACAAAATCAATCTTAAACTAGAACTTCTATTGAATATGACATGA AGAGAGCACATATCCGACAATTTCAAGTCTTTTCATAGCCTTCCAGTCTAATAAAGT AGCGTTAACATCTTATTCTGTTACGACTATTTGATAATTTCTTTCATCCTCATGGGCTC TAGTATTGATGTTTCATCAGTCTCAATTTATAAAACCATCTTTACTTTGTAATAAAGC AATGCTGAGAGACATTTCCATAATGCAGGGGAAAAATGTGGATCAATCACAACTCAA AGAAGTTACAGTTATAATGCTTTTCGACATTTTTTTCTACTTCTGTGATGCTTTTTCAAG ATAAGCTTCCCCCTCCCCCTTTTTTCCCCTCCACCTGTGCACTGCTTATCGCGATATA CTCTTGACTTCTGAAAATCAAGTTGCAGGATTGGTATGACTGGAATGCAGAGGTTCTCT GAAGTAGTGTACCACATAACTATTCTCTATTGATAAACTTATCGCAACCAAGTTCTTCT ATCAGAGGTTGATAAATTCAGAGGCAGTCAGAGCTATCGTAAAGTTAAAATATCGAGG TCCACCTGTGAGGATTTGCTGATATTCGGCATCAAACGCTGCTTTCCTTGCTCTGCAA GCTTCCACGAATCGCCTGCNGCCTTCTCAAGCTCTTGTATTCTGCCGGGAGCAATCGG TAATTTCCAGT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_153232
Insert Size:	1500 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:	NM_153232.3 , NP_694964.3
RefSeq Size:	1409 bp
RefSeq ORF:	711 bp
Locus ID:	163126
UniProt ID:	Q8N6I1
Cytogenetics:	19q13.2
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	Interacts with EP300 and acts as a repressor of MYOD-dependent transcription and muscle differentiation. Inhibits EP300 histone acetyltransferase activity. Acts as a repressor of TGFB/SMAD transcriptional responses. May act as a repressor of the TGFB/SMAD3-dependent signaling by selectively blocking formation of TGFB-induced SMAD3-SMAD4 complex. [UniProtKB/Swiss-Prot Function]