

## Product datasheet for **SC103934**

### CoREST (RCOR1) (AK026612) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CoREST (RCOR1) (AK026612) Human Untagged Clone
Tag:	Tag Free
Symbol:	CoREST
Synonyms:	COREST; RCOR
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for AK026612, the custom clone sequence may differ by one or more nucleotides

```
GATTGGGAACAAATCAGTGGTACAAGTAAAAACTTTTTTGTAAATTATCGACGCCGCTTCAACATAGAT
GAAGTTTTACAAGAATGGGAGGCAGAACATGGTAAAGAAGAGACCAATGGGCCAGTAACCAGAAGCCTG
TGAAGTCCCAGATAATCCATTAAGATGCCCGAAGAGGAAGACGAGGCTCCTGTCTGGATGTCAGATA
TGCATCTGCCTCCTGAGAACTGGTGGCTTTGAACACTTGGTGTGGACTACTGTGTATCCGGGATATCA
GGTATTATGAGACATCACCTAGCCATCTGCATCACATCTCTCTGGACAAGCAGCTATTACAAAAAAGGC
ATATACTTCCAGTCTGTGCTCCATCTGCCTTAATTCTTTGCTCGTTCCATGTTGGCACCCTTCCC
AGAGAGCTCCACTGCATCTCACACTCTGCCACGTGCTGGGAAGTCTCACGGCCTGCACATCTCTTGTG
ACTCTGGAAACCGCTCTCCCGCCGAGCCCCGAGCCCCACCAATGGCAGCTCTCCAGTCAGCAGCT
TCAGAGCAGGCAGTCTCCTTGAAGGCCGACTCTGTTCTGCATGGCCTGCAGTTTCTACTTTGTGCAT
AGAGTCATTTTCAGAGTCACCGCAGCCCTGTTGGCCTTCTAGAAAGTTTCTTTTGTCTTTTCTGAGACA
ACCACCTAAGTGATAATACGCTTTTTTGGAACTAATATATATTGCCAGACTGCATCATAACCTTTATCA
TGCCAAGCATCCTGATGCAACTCACATTTCCCTAAACATGGGGTACAGTTATGATTATAAATTGAGTTG
GCTTAAATCTCCCTCTTCTCCCTTCCCAAGTGTACAAAGATCATTTACTGCAACTGTCGTTGGACTG
TAGCTTAAAGGGAACGTGGACCTCAATGCTTTCTGCCTTCAACTTTTTCAGCATTGTGACCCAGGGTGGT
TGCCACCCCATCTTTTCTGACCCCCCCACCCCCCACTCCAAGAGGTTGGGCCACATCACTGTACC
TGGTGTCTGTAATTTGGAATGGTGCCTTCTCCTTTTGGCAACCATGGTATCAATCCTTTTCTGTTT
TAGTGTCTTATTTCTTCTTTCAAGTTATTTGCTAGCCAAAGATGACATCACTGAGATTAGGAGACAGGGG
AGAGCTGTGCAGATTCTGACAGTGCAGATTTAAATGTCAGGATATTAGAATAGCTGGCGCTGTTTA
TGAAGCTGCGCGTTGTCCGCTTCTCTCGGTGTGCTGACCTTTTATGTGGCACTGTATGTCAGTT
TGTGTCCTTCATGTGCTGATGTATTACACAAACACCATGCACCTCTTTTTTCATATCAGAGTACAGGACA
GAGAAAGTATCAATGATTGGTCTAGTGAGACTGAGATGAAAAGAAATAACCTACAGAGTGGTCTGTAAT
GCCTTTTGGTTGGACTGGGAACAAGTAAAAATTTCTAATAAACATTTTGGAGACTCCAGAAAAA
AAAAAAA
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**5' Read Nucleotide Sequence:**

>OriGene 5' read for AK026612 unedited

```
NGGGGGTGCAATTTTGTAAATACGACTCACTATAGGGCGCCGCGAATTCGGCACGAGGG
GAAAAACTTTTTTGTAAATTATCGACGCCGCTTCAACATAGATGAAGTTTACAAGAATG
GGAGGCAGAACATGGTAAAGAAGAGACCAATGGGCCAGTAACCAGAAGCCTGTGAAGTC
CCCAGATAATCCATTAAGATGCCCGAAGAGGAAGACGAGGCTCCTGTTCTGGATGTCAG
ATATGCATCTGCCTCCTGAGAACTGGTGGCTTTGAACACTTGGTGTGGACTACTGTGTT
ATCCGGGATATCAGGTATTATGAGACATCACCTAGCCATCTGCATCACATCTCTCTGGAC
AAGCAGCTATTACAAAAAAGGCATATACTTCCAGTCTGTGCTCCATCTGCCTTAATTC
TTTGTCTGTTCCCTCATGTTGGCGCACTTCCCAGAGAGCTCCACTGCATCTCACACTCT
GCCACAGTGTGGGAAGTCTCACGGCCTGCACATCTCTTGTGACTCTGGGAACCGCCTC
TCCCGCCGAGCCCCGAGCCCCACCAATGGCAGCTCTTCCAGTCAGCAGCTTCCAGAGC
AGGCAGTCTCCTTGAAGGCCGACTCTGTTCTGCATGGCCTGCAGTTTCTACTTTGTG
CATAGAGTCATTTTCAGAGTCACCGCAGCCCTGTTGGCCTTCTAGAAAGTTTCTTTTGT
CTTTTCTGAGACAACCACCTAAGTGATAATACGCTNTTTTGGAACTAATATATATTGCC
AGACTGCATCATAACCTTTATCATGCCAAGCATNCTGATGCAACTCACATTTCCCTAAC
ATGGNNGTACAGTTATGATTTATAAAAAATGAGTGGGCTAAATCTCCTCTTCTCCTTTCCN
AAGTGTACAAGACATTACTGCAACTGTC
```

**Restriction Sites:** NotI-NotI  
**ACCN:** AK026612  
**Insert Size:** 4700 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>	<a href="#">AK026612.1</a>
<b>RefSeq Size:</b>	1548 bp
<b>RefSeq ORF:</b>	1548 bp
<b>Locus ID:</b>	23186
<b>Cytogenetics:</b>	14q32.31-q32.32
<b>Protein Families:</b>	Transcription Factors
<b>Protein Pathways:</b>	Huntington's disease
<b>Gene Summary:</b>	This gene encodes a protein that is well-conserved, downregulated at birth, and with a specific role in determining neural cell differentiation. The encoded protein binds to the C-terminal domain of REST (repressor element-1 silencing transcription factor). [provided by RefSeq, Aug 2011]