

## Product datasheet for **SC107973**

### CoREST (RCOR1) (NM\_015156) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CoREST (RCOR1) (NM_015156) Human Untagged Clone
Tag:	Tag Free
Symbol:	CoREST
Synonyms:	COREST; RCOR
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_015156, the custom clone sequence may differ by one or more nucleotides

[ATGCCGGCCATGGTGGAGAAGGGCCCCGAGGTCTCAGGGAAGCGGAGAGGGAGGAACA](#)

#### 5' Read Nucleotide Sequence:

>OriGene 5' read for NM\_015156 unedited  
TCAAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGCACGAGGGGGCTTGA  
AGCGGCTCCGCGCTCTGCCGTTTGGGCTCCCCGACTCGACTCGCGCCCGTGGGCTC  
CCGCCGCGCCCGCCGGCCCGCCGCGCCCGCCCGCCCGCCCGTCTCGGCGCCCC  
TCCTCAGGAGCCGCGGTCCCCGCCACTTTCGCACGGCCCGGCCCGCCGATGCCGGC  
CATGGTGGAGAAGGGCCCCGAGGTCTCAGGGAAGCGGAGAGGGAGGAACAACGCGCCGC  
CTCCGCTCCGCCCGCCGCTCCGCCCGCCCTCGGCCGCTGCGCTCGCCAGCCGC  
CACTGCCGCCAATGGCAACAGCAGCAGCAACTCCTGGGAGGAAGGCAGCTCGGGCTCGT  
CCAGCGACGAGGAGCACGGTGGCGGTGGCATGAGGGTCGGACCCAGTACCAGGCGGTGG  
TGCCCGACTTCGACCCCGCCAAACTGGCAAGACGAGTCAAGAACGGGACAATCTTGCA  
TGTTGGTCTGGTACCCAATCAAATCTGTGAGAAAGAAAGTTGGATGAATACATTGCCA  
TTGCCAAAGAAAAGCATGGGTACAACATGGAACAGGCTCTTGGGATGCTCTTCTGGCATA  
AACATAATATCGAAAAGTCATTGGCTGATTTGCCCAACTTTACCCCTTCCAGATGAGT  
GGACTGTGGAAGATAAAGTCTTTATTTGAGCAGCCTTTAGTTTTTCATGGGAAAATTTTC  
ATAGAATCCAACANATGCTTNCAGATAAATCTTTAGCAGTCTGGTGAATTTACTATT  
CTGGNAAGAACGAGGGACTAAACTAGTGTGGATGGATCGCCATGCCCGGNNAAACAAA  
CGGNACGNNAGGANAGCNAGGATGAACTGGNANAGGCAATGGNNAACATCCATTGACAT  
C



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<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_015156 unedited            NTTCTTGGACCGGCCGCATTCTANGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTGCT            TTCATTTTCATATTTTATTACATCAATGGCTTGAAAATTTTATTTAACCTCAGCAAATAT            TGGAAATAGAAAATGAATTCCTGCAGAATTTACAAAATAAATTTTCCAATTTCCACTAAC            AAATGTTATCATTCAATGGCTAAGCAGTTATAATGCTATGAACATTCACCACAATGAATG            TGCTGAAATAGAAAACAGGCAAAGAGACATTAATAATTTACTTACAACAGCATTATTACA            ACATATTTTCTTTAAAATTTCCAACGTGGATTTTCATCACTTCAAAAAGATATACAGCATTTT            CATTATATTTGCAAACCTTAACCTTATACATCTTTTAAAATCTTGAAAATTTTAAAGCTG            TCTAAAAGCACTTAGCAAAGTCGATAAGTCTACCTAATGGAATACTATCCACCCCGGTA            TAAATTTCTGTTTTAGGAGAAGGTGGCTGTAAACACTCATCATCACACAACATGCATAGCC            TCTGCTGACCTTCCCTTCTTCTGAATGCGACGCCACTGCAATTGTGCTTTACTACAGGTA            AGACAGGTAAGAGAAGCTGCAGAGATTCAGGGACTGGCAGAAAGAGCATCGCACAGGACC            ACTAGGTTTAGGTGACCTGGCTACCTGGAGTCCATCTGAGGAAAGTTTCACTTGACAATA            GAAGCTTGAATCCTGGATCATTTCGTTTAGAAAACAGCTTGACAAGAGAGAAAAAGGCC            CTCGTTGGAGNTTGCCTCATCTTTCCTTAGCTTACCATAAAGCAGGATCCAGTTAGCGTA            ATGCACTGTTTGGCTATTTTTGGTTGGCAATTATACCAATAGTCCATCTTAATATTTA            AAATTGACAAAATAGGGTATTCGGTGAATCTTAAGATGACCTTGAGCACCC</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_015156
<b>Insert Size:</b>	5550 bp
<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a></p>
<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="#">NM_015156.1</a> , <a href="#">NP_055971.1</a>
<b>RefSeq Size:</b>	5774 bp

RefSeq ORF:	1449 bp
Locus ID:	23186
UniProt ID:	<a href="#">Q9UKL0</a>
Cytogenetics:	14q32.31-q32.32
Domains:	ELM2, myb_DNA-binding
Protein Families:	Transcription Factors
Protein Pathways:	Huntington's disease
Gene Summary:	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]