

Product datasheet for **RG224027**

CoREST (RCOR1) (NM_015156) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CoREST (RCOR1) (NM_015156) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CoREST
Synonyms:	COREST; RCOR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG224027 representing NM_015156
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGGAGAAGGGCCCCGAGGTCTCAGGGAAGCGGAGAGGGAGGAACAACGCGGCCCTCCGCTCCG
 CGCCCGCCGCTCCGCCCGCCCTCGGCCGCTCGCCCTCGCCAGCCGCCACTGCCGCTCGGGCGCCGC
 CGCTCTCAGCCTCGGCCCGCCGCTCAGCCGCCCGCCCAATATGGCCAGAATAAAAGTTTG
 GCGGGCGCGGCCCAATGGCAACAGCAGCAACTCCTGGGAGGAAGGCAGCTCGGGCTCGTCCAGCG
 ACGAGGAGCACGGTGGCGGTGGCATGAGGGTCGGACCCAGTACCAGGCGGTGGTCCCGACTTCGACCC
 CGCCAACTGGCAAGACGAGTCAAGAACGGGACAATCTTGGCATGTTGGTCTGGTACCCAATCAAAT
 CTGTCAGAAGCAAAGTTGGATGAATACATTGCCATTGCCAAAGAAAAGCATGGGTACAACATGGAACAGG
 CTCTTGGGATGCTCTTGGCATAAACATAATATCGAAAAGTATTGGCTGATTTGCCAACTTTACCCC
 TTTCCAGATGAGTGGACTGTGGAAGATAAAGTCTTATTTGAGCAAGCCTTAGTTTTCATGGGAAAAC
 TTTTCATAGAATCCAACAATGCTTCCAGATAAATCTATAGCAAGTCTGGTGAATTTTACTATTCTTGGA
 AGAAGACGAGGACTAAAAGTGTGATGGATCGCCATGCCCGAAACAAAAACGGGAGCGGGAGGAGAG
 CGAGGATGAACTGGAAGAGGCAATGGAACAATCCCATTGACATTGAGGTTGATCAAAAACAGGAAAGC
 AAAAGGAGGTTCCCTACTGAGACAGTTCCTCAGGTCAAAAAAGAAAAACATAGCACACAAGCTAAAA
 ATAGAGCAAAAAGGAACTCCAAAAGGAATGTTTCTTCTCAAGAAGATGTGGAGGCTGTTTCTGCCAA
 TGCCACTGCTGCTACCACGGTGTGAGACAAGTACAGATGGAATTGGTTTCAGTCAAACGACAGATCCAG
 AATATTAACAGACAAACAGTGTCTCAAGAAAAACTTGATGGTGAATAGAACCATATCGACTCCAG
 AGGTCATTCAGAAATGTAATGCAGTTGGACTACAGAAGAGCAGCTTCTCGCCGTACAAGTGAACAACTTT
 ATATGGCCGAGATTTTTCAGGCAATCTCAGACGTGATTGGGAACAATCAGTGGTACAAGTGAACAACTTT
 TTTGTAATTATCGACGCCGCTTCAACATAGATGAAGTTTTACAAGAATGGGAGGCAGAACATGGTAAAG
 AAGAGACCAATGGGCCAGTAACCAAGCCTGTGAAGTCCCGAGATAATTCCATTAAGATGCCGAAGA
 GGAAGACGAGGCTCCTGTTCTGGATGTCAGATATGCATCTGCCTCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG224027 representing NM_015156
 Red=Cloning site Green=Tags(s)

MVEKGPVSGKRRGRNNAASASAAAASAAASACASPAATAASGAAASSASAAAASAAAAPNNGQNKSL
 AAAAPNGNSSNSWEEGSSGSSSDEEHGGGMRVGPQYQAVVPDFDPAKLARRSQERDNLGMLVWSPNQ
 LSEAKLDEYIAIAKEKHGYNMEQALGMLFWHKHNIKSLADLPNFTFPDEWTVEDKVLFEQAFSFGKT
 FHRIQQMLPDKSIASLVKFYYSWKKTRTKTSVMDRHARKQKREEREESEDELEEANGNPNIDIEVDQNKES
 KKEVPPTETVPQVKEKSTQAKNRAKRKPPKGMFLSQEDVEAVSANATAATTVLRQLDMELVSVKRQIQ
 NIKQTNSALKEKLDGGIEPYRLPEVIQKCNARWTTTEQLLAVQAIRKYGRDFQAI SDVIGNKSVVQVKNF
 FVNYRRRNFIDEVLQEWAEHGKEETNGPSNQPKVSPDNSIKMPEEEDAPVLDVRYASAS

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_015156

ORF Size: 1455 bp

OTI Disclaimer: 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 custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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. [More info](#)

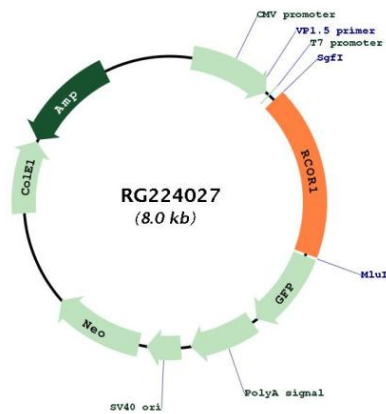
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:**
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_015156.2
RefSeq Size:	1449 bp
RefSeq ORF:	1458 bp
Locus ID:	23186
UniProt ID:	Q9UKL0
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]

Product images:



Circular map for RG224027