

## Product datasheet for **RG222197**

### Cortistatin (CORT) (NM\_001302) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cortistatin (CORT) (NM\_001302) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Cortistatin  
**Synonyms:** CST-14; CST-17; CST-29; SST2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG222197 representing NM\_001302  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTATAGACACAAAAACAGCTGGAGATTGGGCTTAAAAATCCCAAGCTCCAAGAAGAGACCCAAG  
TCCCCAAACATTGATTTCAAGGCTGCCAGGAAGGAGAGCAGCAGGGTGGGAGAGAAGCTCCAGTC  
AGCCACAAGATGCCATTGTCCCCGGCCTCTGCTGCTGCTCTCCGGGCCACGGCCACCGCTGCC  
CTGCCCTGGAGGTGGCCCCACCGCCGAGACAGCGAGCATATGCAGGAAGCGGCAGGAATAAGGAAAA  
GCAGCCTCTGACTTTCTCGTTGGTGGTTTGTAGTGGACCTCCAGGCCAGTCCGGGCCCTCATAGG  
AGAGGAAGCCCGGAGGTGGCCAGGCGGCAGGAAGGCGCACCCCCAGCAATCTGCGCGCCGGGACAGA  
ATGCCCTGCAGGAACCTTCTCTGGAAGACCTTCTCCTCCTGCAAA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG222197 representing NM\_001302  
Red=Cloning site Green=Tags(s)

MYRHKNSWRLGLKYPPSSKEETQVPKTLISGLPGRKSSSRVGEKLQSAHKMPLSPGLLLLLSGATATAA  
LPLEGGPTGRDSEHMQEAAAGIRKSSLLTFLAWWFETWSQASAGPLIGEEAREVARRQEGAPPQQSARRDR  
MPCRNFFWKTFFSCK

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI



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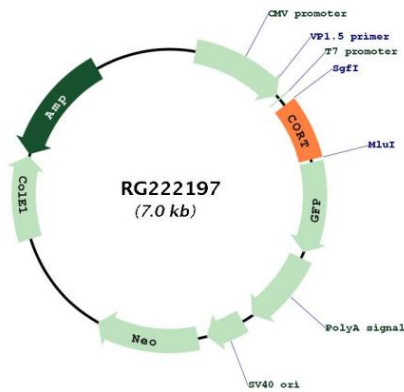


**Cytogenetics:** 1p36.22

**Protein Families:** Druggable Genome, Secreted Protein

**Gene Summary:** This gene encodes a neuropeptide that is structurally similar to somatostatin. It binds to all known somatostatin receptors, and shares many pharmacological and functional properties with somatostatin, including the depression of neuronal activity. However, it also has many properties distinct from somatostatin, such as induction of slow-wave sleep, apparently by antagonism of the excitatory effects of acetylcholine on the cortex, reduction of locomotor activity, and activation of cation selective currents not responsive to somatostatin. The preproprotein undergoes further processing into multiple mature products. Read-through transcripts exist between this gene and the upstream APITD1 (apoptosis-inducing, TAF9-like domain 1) gene, as represented in GeneID:100526739. [provided by RefSeq, Nov 2010]

**Product images:**



Circular map for RG222197