

Product datasheet for **RR202616**

Ctsg (NM_001106041) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ctsg (NM_001106041) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ctsg
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR202616 representing NM_001106041
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGCAGCCACTCCTGTTTCTGTTGATCTTTGTTCTATTCCAAGAAGATGAGGCAGGAAAGATCATTGGAG
GCCGAGAAGCCAGGCCAAATCCCACCCCTACATGGCATTCTTCTGATCCAGAGTCCAGAAGGGCTGAG
TGCTTGTGGAGGGTTTCTGGTGCAGAGAAGACTTTGTCTCACAGCAGGTCACTGCTTTGGAAGCTCCATA
AATGTTACCTTAGGGGCCACAACATTCGAAGGCAAGAAGGGACCCAGCAACACATCACTGTTCTCAGAG
CCATCCGCCATCCTGATTACAATCCCCGCCAGTCATCCAGAATGACATCATGCTACTGCAGCTGAGGAG
TAGAGCCCGGAGGAGTCGAGCGGTGAAGCCCGTGGCTCTGCCTCAAGCCACCAAGAGAGTACAACCAGGG
GCTTTGTGCACAGTGGCTGGCTGGGCTGGTGGAGCCAGCGCAGGGGGACAAATGTACTCCAGGAGGTGA
AGCTAAGAGTGCAGACGGACCAACGTGCGCAATCGTTTCCAATTCTACAACAGCCAGACTCAGATCTG
TGTGGAAACCCGAGAGAAAGGAAGTCTGCCTCAAGGGTATTCTGGTGGTCTCTGGTATGTAATAAT
GTGGCCAGGGCATCGTCTCTATGGAAGCAGCAGTGGTAACCCCTCCAGCTGTGTTACCAGAATCCAGA
GCTTCATGCCCTGGATCAAAAGAACAATGAGACGCTTTTCTCAAGGTAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR202616 representing NM_001106041
Red=Cloning site Green=Tags(s)

MQPLLFLLI FVL FQDEAGKII GGREARPN SHPYMAFLLIQSPEGLSACGGFLVREDFVLTAGHCFGSSI
NVTLGAHNIRRQEGTQQHITVLR AIRHPDYNPPVIQNDIMLLQLRSRARRSRVAVKPVALPQATKRVQPG
ALCTVAGWGLVSRRTNVLQEVKLRVQTDQTCANRFQFYNSQTQICVGNPRERKSAFKGDSGGPLVCNN
VAQGIVSYGSSGNPPAVFTRIQSFMPWIKRTMRRLSSRY

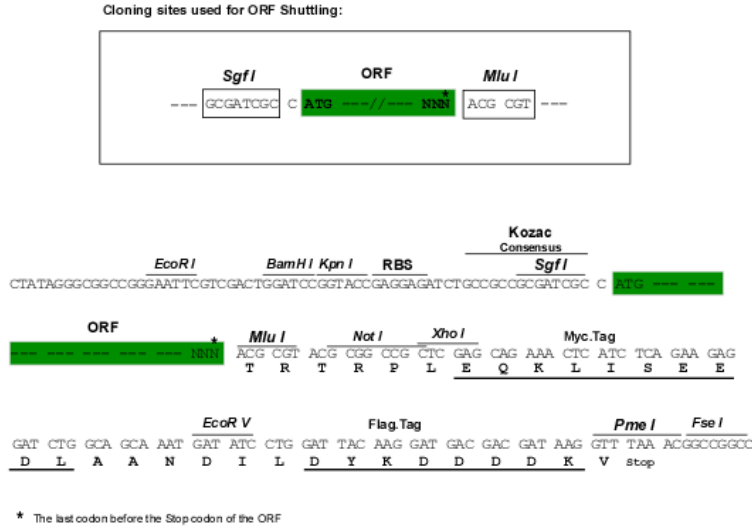
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV



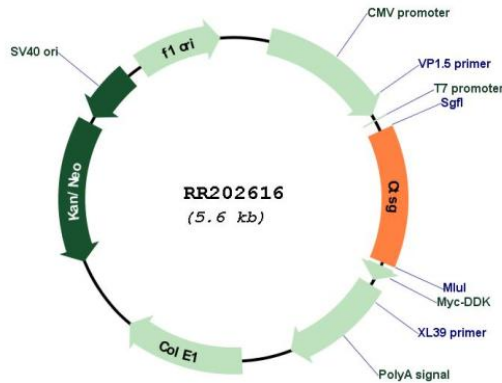
[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001106041

ORF Size: 750 bp

OTI Disclaimer: 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.

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|-------------------------------|---|
| 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: | <u>NM_001106041.1, NP_001099511.1</u> |
| RefSeq Size: | 1006 bp |
| RefSeq ORF: | 753 bp |
| Locus ID: | 290257 |
| Cytogenetics: | 15p12 |
| MW: | 27.8 kDa |