

## Product datasheet for **RG207101**

### CSDE1 (NM\_007158) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CSDE1 (NM_007158) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CSDE1
Synonyms:	D1S155E; UNR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide  
Sequence:

>RG207101 representing NM\_007158  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGAGCTTTGATCCAAACCTTCTCCACAACAATGGACATAATGGGTACCCTAATGGTACTTCAGCAGCAC  
TGGGTGAAACTGGGGTTATTGAAAACTGTTAACCTCTTACGGATTTATTCAAGTTCAGAACGTCGAAGC  
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GAACTGTAACCAAGTTATCCCAAAAGTACCCAGTAAAAACCAGAATGACCCATTGCCAGGACGCATCAA  
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GAAGGTGACCATGTTAGGTTTAAATTTCAACAGACCGACGTGACAAATTAGAGCGAGCAACCAATATAG  
AAGTCTGTCAAATACATTTCACTTCAATGAAGCCCGAGAAATGGGTGTGATTGCTGCCATGAGAGA  
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ATCGCTTGAAGAATATCACTCTGGATGATGCCAGTGCTCCTCGCCTAATGGTTCTTCGTCAGCCAAGGGG  
ACCAGATAACTCAATGGGTTTGGTGCAGAAAGAAAGATCCGTCAAGCTGGTGTCTATTGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG207101 representing NM\_007158  
Red=Cloning site Green=Tags(s)

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MSFDPNLLHNNHNGYPNGTSAALRETGVIEKLLTSYGF IQCSERQARLFFHCSQYNGNLQDLKVGDDVE
FEVSSDRRTGKPIAVKL VKIKQEILPEERMNGQEVFYL TYTPEDVEGNVQLETGDKINVIDNNKHTGAV
SARNIMLLKKKQARCQGVV CAMKEAFGF IERGDVVKEIFFHYSEFKGDLETLQPGDDVEFTIKDRNGKEV
ATDVRLLPQGTVIFEDISIEHFEGTVTKVIPKVP SKNQNDPLPGRIVKDFVIPKELPFQDKDTSKVTLL
EGDHVRFNI STDRRDKLERATNIEVLSNTFQFTNEAREMGVIAAMRDGFGF IKCVDRDVRMFFHFSEILD
GNQLHIADEVEFTVVPDMLSAQRNHAI RIKKLPKGTVSFHS HSDHRFLGTVEKEATFSNPKTTSPNKGKE
KEAEDGIIAYDDCGVKL TIAFAQKDV EGSTSPQIGDKVEFSISDKQRPGQVATCV RLLGRNSNSKRLLG
YVATLKNDFGFIETANHDKEIFFHYSEFGSDVDSLEL GDMVEYSLSKGGKNKVS AEKVNKTHSVNGITEE
ADPTIYSGKVI RPLRSVDPTQTEYQGMIEIVEEGDMKGEVY PFGIVGMANKGDCLQKGESVKFQLCVLGQ
NAQT MAYNITPLRRATVECVKDQFGFINYEVGDSK KLF FHVKEVQDGI ELQAGDEVEFSVILNQRTGKCS
ACNVWRVCEGPKAVAAPRPDRLVNRLKNITLDDASAPRLMVL RQPRGPDNSM GFGAERKIRQAGVID
    
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_007158

**ORF Size:** 2301 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.

**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\\_007158.6](#)

**RefSeq Size:** 4041 bp

**RefSeq ORF:** 2304 bp

**Locus ID:** 7812

**UniProt ID:** [O75534](#)

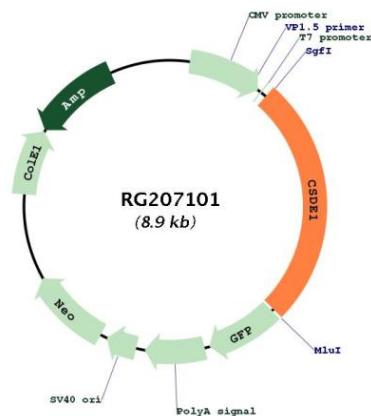
**Cytogenetics:** 1p13.2

**Domains:** CSD

**Protein Families:** Transcription Factors

**Gene Summary:** RNA-binding protein. Required for internal initiation of translation of human rhinovirus RNA. May be involved in translationally coupled mRNA turnover. Implicated with other RNA-binding proteins in the cytoplasmic deadenylation/translational and decay interplay of the FOS mRNA mediated by the major coding-region determinant of instability (mCRD) domain. [UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for RG207101