

## Product datasheet for **MG201898**

### Desi2 (NM\_024282) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Desi2 (NM\_024282) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Desi2  
**Synonyms:** 5830417C01Rik; DeSI-2; Fam152a; Pppde1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG201898 representing NM\_024282  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGGGCTAACCAGTTAGTGGTCTCAACGTCTACGACATGTACTGGATGAATGAATACACCTCATCTA  
 TTGGAATTGGAGTTTTTCATTCTGGAATTGAAGTATATGGCAGAGAGTTTGCTTATGGTGGCCATCCATA  
 TCCTTTTTCTGGAATATTTGAAATTTCCCAGGAAATGCTTCTGAGCTAGGAGAAACATTTAAATTTAAA  
 GAAGCTGTTGTTCTAGGAAGTACGGACTTCTAGAAGATGATATAGAGAAAATTTAGAAGAACTGGGGA  
 AAGAGTATAAGGGCAACGCCTACCATCTGATGCACAAAACTGCAATCACTTTTCTCAGCTTTATCAGA  
 GATTCTCTGTGGGAAAGAGATTCTCGCTGGATCAACCGCTGGCCTACTTCAGCTCCTGTATACCCCTT  
 CTACAGAGTTGCCTGCCAAAGGAGTGGCTCACTCCTGCTGCACCTCAGTCTAGTGTGAGCAAGAACTCC  
 AGGATGAAGTGAAGAAGCAGAGGATGCAGCCGCATCCAGTGCCATGGCAAGTGCTGCAGCTGGTCCAG  
 AACTGGGCGTCACACTAAACTA

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >MG201898 representing NM\_024282  
 Red=Cloning site Green=Tags(s)

MGANQLVVLNVYDMYWMNEYTSSIGIGVFHSGIEVYVYREFAYGGHPYPFSGIFEISPGNASELGETFKFK  
 EAVVLGSTDFLIEDDIEKIVEELGKEYKGNAYHLMHKNCNHFSSALSEILCGKEIPRWINRLAYFSSCIPF  
 LQSLPKEWLTPAALQSSVSQELQDELEEAEDAAASSAMASAAAGARTGRHTKL

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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**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\\_024282.3](#), [NP\\_077244.1](#)

**RefSeq Size:** 4214 bp

**RefSeq ORF:** 585 bp

**Locus ID:** 78825

**UniProt ID:** [Q9D291](#)

**Cytogenetics:** 1 H4

**Gene Summary:** Has deubiquitinating activity towards 'Lys-48'- and 'Lys-63'-linked polyubiquitin chains. Deubiquitinates 'Lys-48'-linked polyubiquitination of RPS7 leading to its stabilization. [UniProtKB/Swiss-Prot Function]