

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**

ATGGGGGCTAACCAGTTAGTGGTCTCAACGTCTACGACATGACTGGATGAATGAATACACCTCATCTA
 TTGGAATTGGAGTTTTTCATTCTGGAATTGAAGTATATGGCAGAGAGTTTGCTTATGGTGGCCATCCATA
 TCCTTTTTCTGGAATATTTGAAATTTCCCAGGAAATGCTTCTGAGCTAGGAGAAACATTTAAATTTAAA
 GAAGCTGTTGTTCTAGGAAGTACGGACTTCTAGAAGATGATATAGAGAAAATTTAGAAGAACTGGGGA
 AAGAGTATAAGGGCAACGCCTACCATCTGATGCACAAAACTGCAATCACTTTTCTCAGCTTTATCAGA
 GATTCTCTGTGGGAAAGAGATTCCTCGCTGGATCAACCGCTGGCCTACTTCAGCTCCTGTATACCCCTT
 CTACAGAGTTGCCTGCCAAAGGAGTGGCTCACTCCTGCTGCACCTCAGTCTAGTGTGAGCAAGAACTCC
 AGGATGAAGTGAAGAAGCAGAGGATGCAGCCGCATCCAGTGCCATGGCAAGTGCTGCAGCTGGTCCAG
 AACTGGGCGTCACACTAAACTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201898 representing NM_024282
 Red=Cloning site Green=Tags(s)

MGANQLVVLNVYDMYWMNEYTSSIGIGVFHSGIEVYVYREFAYGGHPYPSGIFEIFSPGNASELGETFKFK
 EAVVLGSTDFLIEDDIEKIVEELGKEYKGNAYHLMHKNCNHFSSALSEILCGKEIPRWINRLAYFSSCIPF
 LQSLPKEWLTPAALQSSVSQELQDELEEAEDAAASSAMASAAAGARTGRHTKL

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_024282

ORF Size: 582 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_024282.3](#), [NP_077244.1](#)

RefSeq Size: 4214 bp

RefSeq ORF: 585 bp

Locus ID: 78825

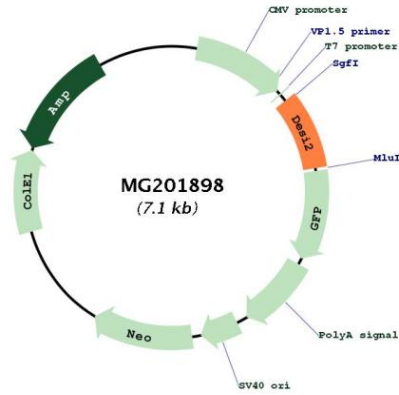
UniProt ID: [Q9D291](#)

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]

Product images:



Circular map for MG201898