

Product datasheet for **RG201931**

DNAJC12 (NM_021800) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DNAJC12 (NM_021800) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: DNAJC12
Synonyms: HPANBH4; JDP1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG201931 representing NM_021800
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATGCAACTACTGAATTACAGGTCAGAAGATACTGAAGATTACTACACATTACTGGGATGTGATGAAC
 TATCTTCGGTTGAACAAATCCTGGCAGAATTTAAAGTCAGAGCTCTGGAATGTCACCCAGACAAGCATCC
 TGAACACCCAAAGCTGTGGAGACTTTTCAGAACTGCAGAAGGCAAAGGAGATTCTGACCAATGAAGAG
 AGTCGAGCCCGCTATGACCACTGGCGAAGGAGCCAGATGTCGATGCCATTCAGCAGTGGGAAGCTTTGA
 ATGACTCAGTGAAGACGTCATGCACTGGGTTGTCAGAGGTAAAAAGACCTGATGCTGGAAGAATCTGA
 CAAGACTCATACCACCAAGATGGAAGATGAGGAATGTAATGAGCAAAGAGAAAGAAAGAGAGGAGCTG
 GCTTCAACCGCAGAGAAAACGGAGCAGAAAAGAACCCCAAGCCCCTAGAGAAGTCAGTCTCCCCGAAAATT
 CAGATTCTCAGGTTTTGCAGATGTGAATGGTTGGCACCTTCGTTTCCGCTGGTCCAAGGATGCTCCCTC
 AGAACTCTGAGGAAGTTCAGAACTATGAAATA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG201931 representing NM_021800
 Red=Cloning site Green=Tags(s)

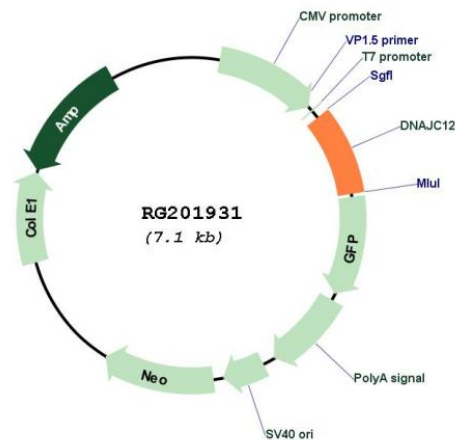
MDAILNYRSEDTEYYTLLGCDELSSVEQILAEFKVRALECHPKHPENPKAVETFQKLQKAKEILTNEE
 SRARYDHWRRSQMSMPFQQWEALNDSVKTSMHVVVRGKKDLMLEESDKHTTKMENECEQRRKKEEL
 ASTAEKTEQKEPKPLEKSVSPQNSDSSGFADVNGWHLRFRWSKDAPSELLRKRFRNYEI

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



Cloning Scheme:

Plasmid Map:


ACCN: NM_021800

ORF Size: 594 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_021800.3](#)

RefSeq Size: 1218 bp

RefSeq ORF: 597 bp

Locus ID: 56521

UniProt ID: [Q9UKB3](#)

Cytogenetics: 10q21.3

Domains: Dnaj

Gene Summary: This gene encodes a member of a subclass of the HSP40/Dnaj protein family. Members of this family of proteins are associated with complex assembly, protein folding, and export. Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]