

Product datasheet for RC201931

DNAJC12 (NM_021800) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DNAJC12 (NM_021800) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: DNAJC12
Synonyms: HPANBH4; JDP1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC201931 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATGCAATACTGAATTACAGGTCAGAAGATACTGAAGATTACTACACATTACTGGGATGTGATGAAC
 TATCTTCGGTTGAACAAATCCTGGCAGAATTTAAAGTCAGAGCTCTGGAATGTCACCCAGACAAGCATCC
 TGAAAACCCCAAAGCTGTGGAGACTTTTCAGAACTGCAGAAGGCAAAGGAGATTCTGACCAATGAAGAG
 AGTCGAGCCCGCTATGACCACTGGCGAAGGAGCCAGATGTCGATGCCATTCAGCAGTGGGAAGCTTTGA
 ATGACTCAGTGAAGACGTCATGCACTGGGTTGTCAGAGGTAAAAAGACCTGATGCTGGAAGAATCTGA
 CAAGACTCATACCACCAAGATGGAAAATGAGGAATGTAATGAGCAAAGAGAAAGAAAGAGAGGAGCTG
 GCTTCAACCGCAGAGAAAACGGAGCAGAAAAGAACCCCAAGCCCCTAGAGAAGTCAGTCTCCCCGAAAATT
 CAGATTCTTCAGGTTTTGCAGATGTGAATGGTTGGCACCTTCGTTTCCGCTGGTCCAAGGATGCTCCCTC
 AGAACTCTGAGGAAGTTCAGAACTATGAAATA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC201931 protein sequence
 Red=Cloning site Green=Tags(s)

MDAILNYRSEDTEYYTLLGCDELSSVEQILAEFKVRALECHPKHPENPKAVETFQKLQKAKEILTNEE
 SRARYDHWRRSQMSMPFQQWEALNDSVKTSMHWVVRGKKDLMLEESDKTHHTKMENEECNEQRERKKEEL
 ASTAEKTEQKEPKPLEKSVSPQNSDSSGFADVNGWHLRFRWSKDAPSELLRKFVRYEI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Chromatograms: https://cdn.origene.com/chromatograms/mk6748_h07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

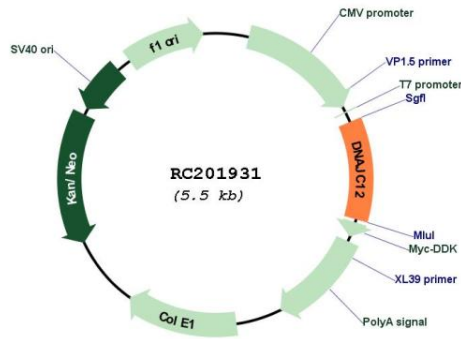
RefSeq: [NM_021800.3](#)

RefSeq Size: 1218 bp

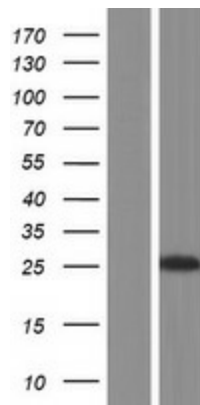
RefSeq ORF: 597 bp
 Locus ID: 56521
 UniProt ID: [Q9UKB3](#)
 Cytogenetics: 10q21.3
 Domains: Dnaj
 MW: 23.4 kDa

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]

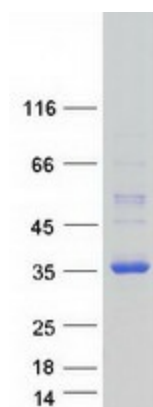
Product images:



Circular map for RC201931



Western blot validation of overexpression lysate (Cat# [LY411920]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201931 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified DNAJC12 protein (Cat# [TP301931]). The protein was produced from HEK293T cells transfected with DNAJC12 cDNA clone (Cat# RC201931) using MegaTran 2.0 (Cat# [TT210002]).