

Product datasheet for RC210567

DNAJC15 (NM_013238) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DNAJC15 (NM_013238) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: DNAJC15
Synonyms: DNAJD1; HSD18; MCJ
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC210567 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTGCCCGTGGTGTTCATCGCTCCAGTTGGCGAGAGTTTGGCTACGCTGAGTACTTGCAGCCCTCGG
CCAAACGGCCAGACGCCGACGTCGACCAGCAGAGACTGGTAAGAAGTTTGATAGCTGTAGGCCTGGGTGT
TGCAGCTTTGCATTTGCAGGTCGCTACGCATTTGGATCTGGAACTCTAGAACAAGTTATCACAGAA
ACTGCAAAGAAGATTTCAACTCCTAGCTTTTCATCCTACTATAAAGGAGGATTTGAACAGAAAATGAGTA
GGCGAGAAGCTGGTCTTATTTAGGTGTAAGCCCATCTGCTGGCAAGGCTAAGATTAGAACAGCTCATAG
GAGAGTCATGATTTTGAATCACCCAGATAAAGGTGGATCTCCTTACGTAGCAGCCAAAATAAATGAAGCA
AAAGACTTGCTAGAAACAACCAAAACAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC210567 protein sequence
Red=Cloning site Green=Tags(s)

MAARGVIAPVGESLRYAEYLQPSAKRPDADVDQQLVRSLIAVGLGVAALAFAGRYAFRIWKPLEQVITE
TAKKISTPSFSSYYKGGFEQKMSRREAGLILGVSPSAGKAKIRT AHRRVMILNHPDKGGSPYVAAKINEA
KDLLETTTKH

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

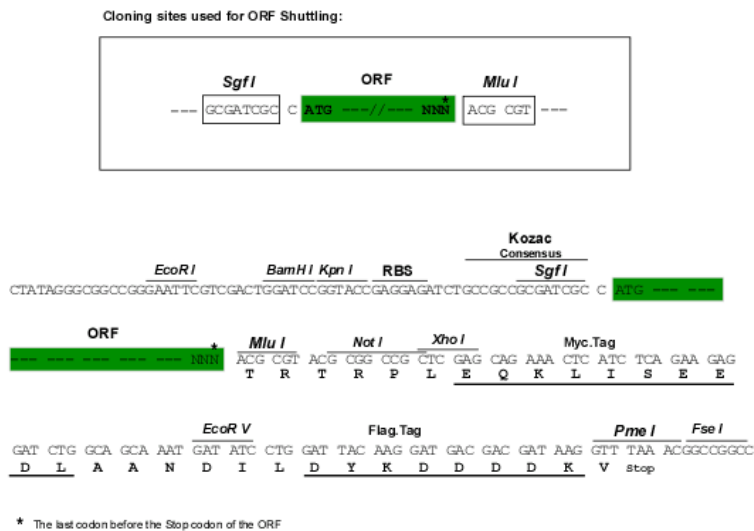
Chromatograms: https://cdn.origene.com/chromatograms/mk6002_a09.zip



[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_013238

ORF Size: 453 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_013238.3](#)

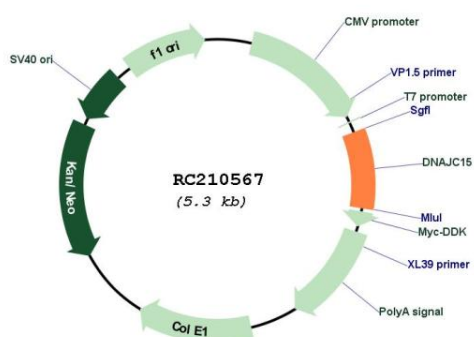
RefSeq Size: 2792 bp

RefSeq ORF: 453 bp

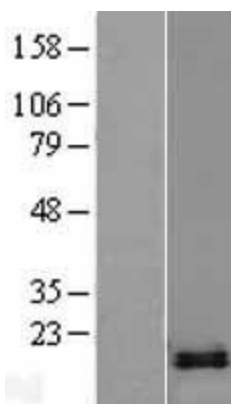
Locus ID: 29103

UniProt ID: [Q9Y5T4](#)
Cytogenetics: 13q14.11
Domains: Dnaj
Protein Families: Transmembrane
MW: 16.4 kDa
Gene Summary: Negative regulator of the mitochondrial respiratory chain. Prevents mitochondrial hyperpolarization state and restricts mitochondrial generation of ATP (By similarity). Acts as an import component of the TIM23 translocase complex. Stimulates the ATPase activity of HSPA9.[UniProtKB/Swiss-Prot Function]

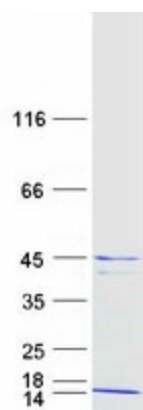
Product images:



Circular map for RC210567



Western blot validation of overexpression lysate (Cat# [LY402228]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC210567 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified DNAJC15 protein (Cat# [TP310567]). The protein was produced from HEK293T cells transfected with DNAJC15 cDNA clone (Cat# RC210567) using MegaTran 2.0 (Cat# [TT210002]).