

Product datasheet for RC205526

HCG3 (DNAJB3) (NM_001001394) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: HCG3 (DNAJB3) (NM_001001394) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: HCG3
Synonyms: HCG3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC205526 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTGGACTACTACGAGGTGCTGGACGTGCCCGGCAGGCCTCATCCGAGGCCATCAAGAAGGCGTACC
 GCAAGCTGGCGCTCAAGTGGCACCCGACAAAAACCTGAGAACAAGGAGGAAGCGGAGAGGAGATTCAA
 GCAGGTGGCCGAGGCCTACGAGGTGTTGTCGGACGCCAAGAAACGCGATATCTATGACCGCTATGGCGAG
 GCGGGCGCGGAGGGCGGCTGCACAGGCGGCAGGCCCTTCGAGGACCCCTTCGAGTACGTCTTCAGCTTCC
 GCGACCCAGCCGACGTCTTCAGGGAGTTCTTCGGCGGCCAGGACCCATTCTCCTTTGACCTTTGGGAAA
 CCCGCTGGAGAATATTTGGGGGGTCTCAGAGGAAGTCTGGGGAAGCAGAAGCAGAGCGTCTGCACCCCT
 TTTCTCTGCCTTCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC205526 protein sequence
 Red=Cloning site Green=Tags(s)
 MVDYYEVL DVPRQASSEAIKKAYRKLALKWHPDKNPENKEEAERRFKQVAEAYEVLSDAKKRDIYDRYGE
 AGAEGGCTGGRPFEDPFEYVFSFRDPADVFRFFGGQDPFSFDLLGNPLENILGGSEELLGKQKQSVCTP
 FLCLQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6316_c03.zip



[View online >](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001001394

ORF Size: 435 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.

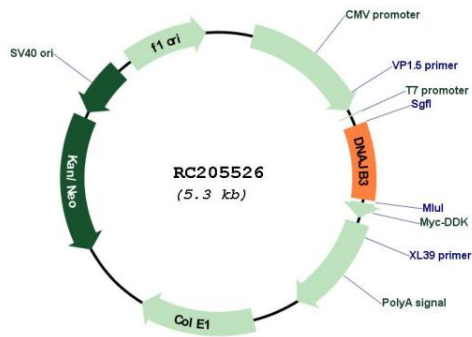
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001001394.4](#)

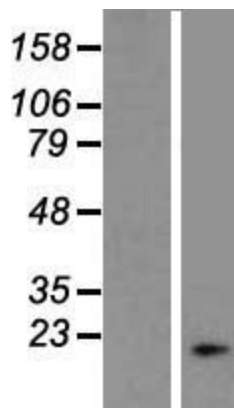
RefSeq Size: 1266 bp

RefSeq ORF: 438 bp

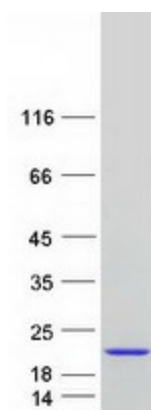
Locus ID: 414061
UniProt ID: [Q8WWF6](#)
Cytogenetics: 2q37.1
MW: 16.6 kDa
Gene Summary: May operate as a co-chaperone of the male germ cell- and haploid stage-specific Hsp70 proteins.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for RC205526



Western blot validation of overexpression lysate (Cat# [LY424336]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205526 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified DNAJB3 protein (Cat# [TP305526]). The protein was produced from HEK293T cells transfected with DNAJB3 cDNA clone (Cat# RC205526) using MegaTran 2.0 (Cat# [TT210002]).