

Product datasheet for **RG208826**

CSP (DNAJC5) (NM_025219) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CSP (DNAJC5) (NM_025219) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: DNAJC5
Synonyms: CLN4; CLN4B; CSP; DNAJC5A; mir-941-2; mir-941-3; mir-941-4; mir-941-5; NCL
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG208826 representing NM_025219
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAGACCAGAGACAGCGCTCACTGTCTACCTCTGGGGAGTCATTGTACCACGTCCTTGGGTTGGACA
 AGAACGCAACCTCAGATGACATTAAGTCTATCGGAAGCTTGCCTTGAAATATCACCCGACAAGAA
 CCCCAGAACCCGAGGCCGCGGACAAGTTAAGGAGATCAACAACGCGCAGCCATCCTACGGACGCC
 AAAAAAGGAACATCTACGACAAGTACGGCTCGCTGGGTCTCTACGTGGCCGAGCAGTTTGGGGAAGAGA
 ACGTGAACACCTACTTCGTGCTGCCAGCTGGTGGCCAAGGCCCTGTTTGTCTTCTGCGGCCTCCTCAC
 GTGCTGCTACTGCTGCTGTCTGTGCTGCTGCTTCAACTGCTGCTGCGGGAAGTGAAGCCCAAGGCC
 CCTGAAGGCGAGGAGACGGAGTTCTACGTGCCCCGAGGATCTGGAGGCACAGCTGCAGTCTGACGAGA
 GGGAGGCCACAGACCGCGATCGTCATACAGCCGGCATCCGCCACCGAGACCACCCAGCTCACAGCCGA
 CTCCCACCCAGCTACCACACTGACGGGTTCAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG208826 representing NM_025219
 Red=Cloning site Green=Tags(s)

MADQRQRSLSTSGESLYHVLGLDKNATSDDIKSYRKLALKYHPDKNPDPNEADKFKEINNAHAILTDA
 TKRNIYDKYGLGLYVAEQFGEENVNTYFVLSWWAKALFVFCGLLTCCYCCCCCCCFCNCCGKCKPKA
 PEGEETEFYVSPEDLEAQLQSDEREATDTPIVIQPASATETTQLTADSHPSYHTDGFN

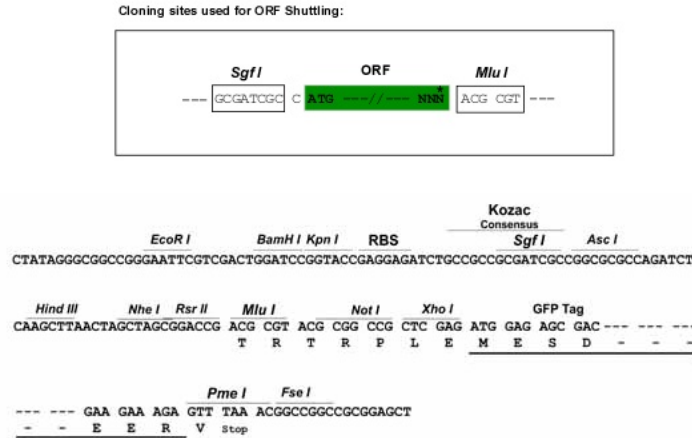
TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

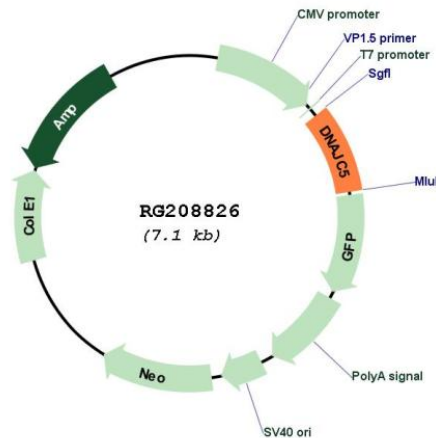


[View online »](#)

Cloning Scheme:



Plasmid Map:



ACCN: NM_025219

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_025219.2](#)

RefSeq Size: 3286 bp

RefSeq ORF: 597 bp

Locus ID: 80331

UniProt ID: [Q9H3Z4](#)

Cytogenetics: 20q13.33

Protein Families: Transmembrane

Gene Summary: This gene is a member of the J protein family. J proteins function in many cellular processes by regulating the ATPase activity of 70 kDa heat shock proteins. The encoded protein plays a role in membrane trafficking and protein folding, and has been shown to have anti-neurodegenerative properties. The encoded protein is known to play a role in cystic fibrosis and Huntington's disease. A pseudogene of this gene is located on the short arm of chromosome 8. [provided by RefSeq, Nov 2010]