

## Product datasheet for RC208826

### 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:** Myc-DDK  
**Symbol:** CSP  
**Synonyms:** CLN4; CLN4B; CSP; DNAJC5A; mir-941-2; mir-941-3; mir-941-4; mir-941-5; NCL  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC208826 representing NM\_025219  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCAGACCAGAGACAGCGCTCACTGTCTACCTCTGGGGAGTCATTGTACCACGTCTTGGGTTGGACA  
 AGAACGCAACCTCAGATGACATTAAGTCTATCGGAAGCTTGCTTGAATATCACCCGACAAGAA  
 CCCCAGAACCCGGAGCCGCGGACAAGTTAAGGAGATCAACAACGCGCAGCCATCTCACGGACGCC  
 AAAAAAGGAACATCTACGACAAGTACGGCTCGTGGTCTCTACGTGGCCGAGCAGTTGGGAAGAGA  
 ACGTGAACACCTACTTCGTGCTGTCCAGCTGGTGGCCAAGCCCTGTTTGTCTTCTGCGGCCTCCTCAC  
 GTGCTGCTACTGCTGCTGTCTGTGCTGCTGCTTCAACTGCTGCTGCGGGAAGTGAAGCCCAAGGCC  
 CCTGAAGCGGAGGAGACGGAGTTCTACGTGCCCCGAGGATCTGGAGGCACAGCTGCAGTCTGACGAGA  
 GGGAGGCCACAGACACGCCGATCGTCATACAGCCGGCATCCGCCACCGAGACCACCCAGCTCACAGCCGA  
 CTCCCACCCAGCTACCACACTGACGGGTTCAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC208826 representing NM\_025219  
 Red=Cloning site Green=Tags(s)

MADQRQRLSTSGESLYHVLGLDKNATSDDIKSYRKLALKYHPDKNPDNPEADKFKEINNAHAILTDA  
 TKRNIYDKYGLGLYVAEQFGEENVNTYFVLSWWAKALFVFCGLLTCCYCCCLCCCFNCCCCKPKPA  
 PEGEETEFYVSPEDLEAQLQSDEREATDTPIVIQPASATETTQLTADSHPSYHTDGFN

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV



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**Chromatograms:** [https://cdn.origene.com/chromatograms/mg3964\\_f01.zip](https://cdn.origene.com/chromatograms/mg3964_f01.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**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](#)

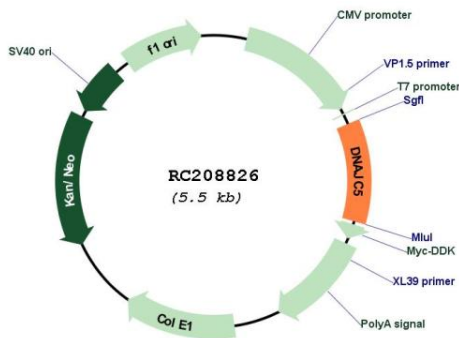
Cytogenetics: 20q13.33

Protein Families: Transmembrane

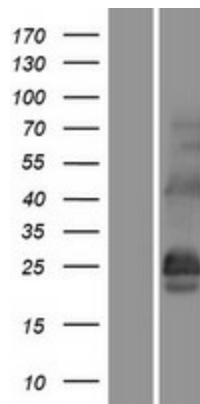
MW: 22 kDa

**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]

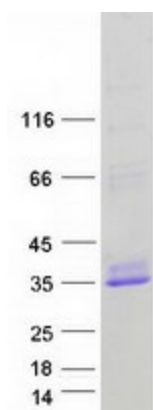
**Product images:**



Circular map for RC208826



Western blot validation of overexpression lysate (Cat# [LY410833]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208826 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified DNAJC5 protein (Cat# [TP308826]). The protein was produced from HEK293T cells transfected with DNAJC5 cDNA clone (Cat# RC208826) using MegaTran 2.0 (Cat# [TT210002]).