

## Product datasheet for **MG204705**

### Ccnh (BC038861) Mouse Tagged ORF Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | Ccnh (BC038861) Mouse Tagged ORF Clone                                     |
| Tag:                      | TurboGFP   |
| Symbol:                   | Ccnh   |
| Synonyms:                 | 6330408H09Rik; AI661354; AV102684; AW538719                                |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | pCMV6-AC-GFP (PS100010)  |
| E. coli Selection:        | Ampicillin (100 ug/mL)   |
| ORF Nucleotide Sequence:  | >MG204705 representing BC038861<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTATCACAGCAGCAGCCAGAAACGGCACTGGACCTTCGCTAGCGAGGAGCAGCTGGCGGCCTGCGGG  
CGGACGCCAACCGCAAATCAAGTGCAAAGCTGTGGCTAACGGGAAGTTCTTCCAAATGATCCAGTGT  
TCTGGAGCCTCATGAAGAATTGACACTTTGCAAGTACTATGAAAAAGATTATTGGAATTCTGTTCACTG  
TTAAACCAGCTATGCCACGGTCTGTTGTGGGTACAGCTTGTATGATTTCAAGCGTTTTTATCTTAATA  
ACTCAGTAATGGAATATCACCTCGGATAATAATGCTTACTTGTGCATTTTTGGCCTGCAAAGTAGATGA  
ATCAATGTGTCTAGTCCCAGTTTGTGGAAATCTTCGAGAGAGTCTCTTGGACAGGAGAGGGCACTG  
GAACAGATTTTGAATATGAACTACTACTTATAACAACCTAATTTTACCTTATTGTCCACAATCCAT  
ACAGACCATTTGAAGGCTTCTCATCGATATAAAGACTCGGTACCCCATGTTGGAGAATCCGGAGATTCT  
GAGGAAAACAGCTGATGATTTTCTAGTAGAATTGCATTGACAGATGCTTATCTTTATACACACCTTCA  
CAGATTGCCCTGACCGCCATTTTATCAAGTGCCTTAGAGCTGGAATTACTATGAAAAGCTACTTATCAG  
AGAGTCTAATGCTAAAAGAAAACAGAATTGCCTGTACAGTACTGGATATAATGAAAAGCATGAGAAA  
TCTAGTAAAAAAGTACGAGCCGCCAGGTCTGACGAGTTGCTGTCTGAAACAGAAGCTGGAGCCGGTGT  
CATTCTTCTGACCTTGCCTTAATGCGGTTACGAAGAAGGAAAGGCTATGAAGATGATGACTATGTGT  
CAAAGAAACCCAAACAGGAAGAGGAGGAATGGACTGATGACGACCTGGTAGATTCTCTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

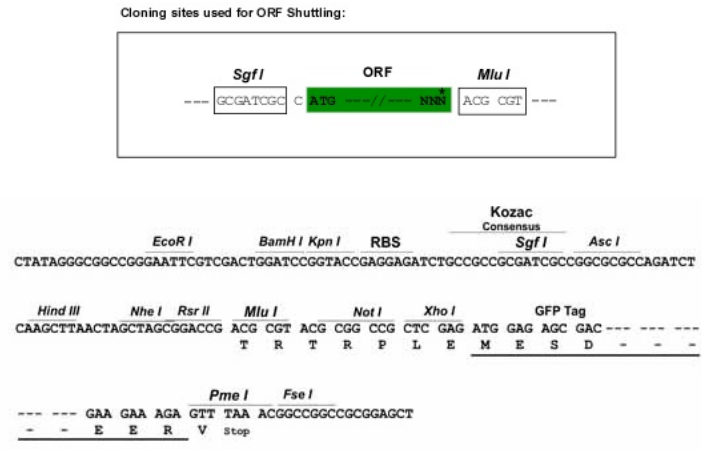
**Protein Sequence:** >MG204705 representing BC038861  
 Red=Cloning site Green=Tags(s)

MYHSSSQKRHWTFASEEQLARLRADANRKFCKAVANGKVL PNDPVFLEPHEEL TLCKYYEKRLLEFCSV  
 FK PAMPRSVVGTACMYFKRFYL NNSVMEYHPRI IMLTCAFLACKVDEFNVSSPQFVGNLRESPLGQERAL  
 EQILEYELLLIQQLNFHLIVHNPYRPFEGFLIDIKTRYPMLENPEILRKTADDFLSRIALTDAYLLYTPS  
 QIALTAILSSASRAGITMESYLS ESLMLKENRTCLSQLLDIMKSMRNLVKKYEPPRSDEVAVLKQKLERC  
 HSSDLALNAVTKKRKGYEDDDYVSKPKQE EEEWTD DDLVDSL

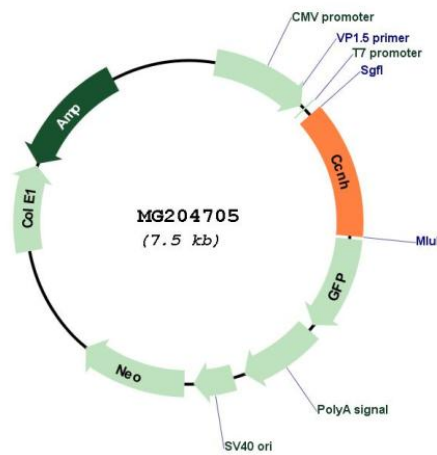
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** BC038861

**ORF Size:** 971 bp

|                               |   |
|-------------------------------|---|
| <b>OTI Disclaimer:</b>        | 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. <a href="#">More info</a>  |
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>   |
| <b>RefSeq:</b>                | <a href="#">BC038861</a> , <a href="#">AAH38861</a>   |
| <b>RefSeq Size:</b>           | 1186 bp   |
| <b>RefSeq ORF:</b>            | 971 bp  |
| <b>Locus ID:</b>              | 66671   |
| <b>Cytogenetics:</b>          | 13 C3   |
| <b>Gene Summary:</b>          | Regulates CDK7, the catalytic subunit of the CDK-activating kinase (CAK) enzymatic complex. CAK activates the cyclin-associated kinases CDK1, CDK2, CDK4 and CDK6 by threonine phosphorylation. CAK complexed to the core-TFIID basal transcription factor activates RNA polymerase II by serine phosphorylation of the repetitive C-terminal domain (CTD) of its large subunit (POLR2A), allowing its escape from the promoter and elongation of the transcripts. Involved in cell cycle control and in RNA transcription by RNA polymerase II. Its expression and activity are constant throughout the cell cycle.[UniProtKB/Swiss-Prot Function] |