

Product datasheet for MR221154

Cwc25 (NM_026186) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cwc25 (NM_026186) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cwc25
Synonyms: 1300013D05Rik; AA473636; Ccdc49; R75228
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR221154 representing NM_026186
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGAGGCGGAGACCTGAACCTGAAGAAGAGCTGGCACCCGAGACCCTTCGCAATGTGGAGAAAGTGT
 GGAAGGCGGAGCAGAAGCATGAAGCGGAGAGGAAGAAGATTGAGGAGTTGCAGCGAGAGCTCCGAGAGGA
 GAGAGCGCGGGAGGAGATGCAGCGCTACGCTGAGGATGTTGGGGCTGTCAAGAAAAAGAAGAAAGTTG
 GATTGGATGTACCAAGGTCGGGTGGCATGGTGAACCGTGATGAGTACTTGTGGGGCGCCCATGACA
 AGTATGTTTTTGAAGATGGAGGAGAGGAAGCTGGCTGCTTCTGAGACAGGACTCCTCCAGGCTC
 AATCTTTGCCCGTCGGGCGCAATTCCTTCTTGACATGGCCAGCAAAATCCGGGAAGACCTCTCTTC
 ATCATAAGGAAGAAAGAGGAGGAGAAAAAAGAGAAGTGCTGAACAATCCTGTGAAAATGAAGAAAATCA
 AAGAGCTGTTGCAATGAGCCTTGAGAAAAAGGAGAAGAAGAAGAAGGAGAAGAAGAAGCACAG
 GAAGCACAAACACAGAAGCTCCAGCAGCGGTGGCTCCAGCAGCGAGGATGAGCAGAGCCAGGCCCGTCT
 CAAAAGAAGATGGCAATTCCTTTCTGTTTTGTCCAAGTCCCTGGATATGGCTTACAGGTGAGGGACT
 CTGACCGGAACCGGGGCTGCAGGGTCTCTGGGTGAACAGAGGGCGATAAAGAACAATCCCGGTCAAG
 AAGCTCCTCACCCCCAGGCATGCCAGCAAGAAGAGCACCAAGGAAGAGAGGCCCGGGACAGGAGGTCT
 CGATCCCCCAGCAGAAGGTCCTGGTCCCAAGGCCAGCAAACCGCATACCTTAAGGTAACAGGAAAG
 AGAGAGACAGCCCATCACCTAAGAAGGAGGCTACCAGAGGCGGCATGCTTCTGGGTACACCAGAAAAT
 CTCAGCAGAGGAACTAGAGCGGAAACGGCAGGAGATGATGGAAAATGCCAAGTGGAGGGAGGAGGAGG
 CTCAACACCTCAAGAGGCACGCCAGGGAGGACGAGCGGGAGCACAGGCTGGAGAGGTTGGACTCTCGGT
 CCGGCAAGTTCCTCCACCGCATGAAGCTGGAGAGTGCGTCGACCTCCTCCTGGAGGACCGGTGAAGCG
 CAACATCCATTCCCTACAGCGGACGTCGGTGGCCCTGGAGAAGAAGTTCATGAGGAGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR221154 representing NM_026186
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MGGDDLNLKKSWHPQTLRNVEKVKAEQKHEAERKKIEELQRELREERAREEMQRYAEDVGAVKKKEEKL
 DWMYQPGGMVNRDEYLLGRPIDKYVFEKMEEREAGCSSETGLLPGSIFAPSGANSLDMASKIREDPLF
 IIRKKEEEKKREVLNNPVKMKIKELQLMSLEKKEKKKKKKKKHRKHKHRSSSSGGSSSEDEQSQARS
 QKKMANSFPVLKVPYGLQVRSDRNRGLQGSLGEQRAIKNNSRSRSPRPHASKKSTKEERPRDRRS
 RSPSRRSRSPRSPKPTSKVNRKERDPSPKKEAYQRRHASGYTRKLSAEELERKRQEMMENAKWREEER
 LNTLKRHAREDERHRLERLDSRSGKFLHRMKLESASTSSLEDRVKRNIHSLQRTSVALEKNFMRR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_026186

ORF Size: 1248 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_026186.4](#), [NP_080462.2](#)

RefSeq Size: 3326 bp

RefSeq ORF: 1251 bp

Locus ID: 67480

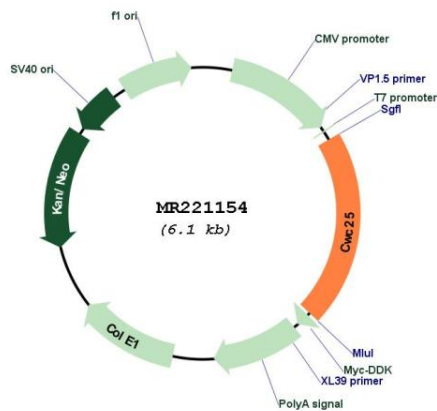
UniProt ID: [Q9DBF7](#)

Cytogenetics: 11 D

MW: 49.3 kDa

Gene Summary: Involved in pre-mRNA splicing as component of the spliceosome.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR221154