

Product datasheet for **MG221154**

Cwc25 (NM_026186) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cwc25 (NM_026186) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cwc25
Synonyms:	1300013D05Rik; AA473636; Ccdc49; R75228
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG221154 representing NM_026186 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGAGGCGGAGACCTGAACCTGAAGAAGAGCTGGCACCCGAGACCCTTCGCAATGTGGAGAAAGTGT
GGAAGGCGGAGCAGAAGCATGAAGCGGAGAGGAAGAAGATTGAGGAGTTGCAGCGAGAGCTCCGAGAGGA
GAGAGCGGGGAGGAGATGCAGCGCTACGCTGAGGATGTTGGGGCTGTCAAGAAAAAGAAGAAAAGTTG
GATTGGATGTACCAAGGTCGGGTGGCATGGTGAACCGTGATGAGTACTTGTGGGGCGCCCATGACA
AGTATGTTTTTGAAGAATGGAGGAGAGGAAGCTGGCTGCTTCTGAGACAGGACTCCTCCAGGCTC
AATCTTTGCCCGTCGGGCGCAATTCCTTCTTGACATGGCCAGCAAAATCCGGGAAGACCTCTCTTC
ATCATAAGGAAGAAAGAGGAGGAGAAAAAAGAGAAGTGCTGAACAATCCTGTGAAAATGAAGAAAATCA
AAGAGCTGTTGCAATGAGCCTTGAGAAAAAGGAGAAGAAGAAGAAGGAGAAGAAGAAGCACAG
GAAGCACAAACACAGAAGCTCCAGCAGCGGTGGCTCCAGCAGCGAGGATGAGCAGAGCCAGGCCCGGTCT
CAAAGAAGATGGCAAAATTCCTTCTGTTTTGTCCAAGTCCCTGGATATGGCTTACAGGTGAGGGACT
CTGACCGAACCAGGGGCTGCAGGTTCTCTGGGTGAACAGAGGGCGATAAAGAACAATCCCGGTCAAG
AAGCTCCTCACCCCCAGGCATGCCAGCAAGAAGAGCACCAAGGAAGAGAGGCCCGGGACAGGAGGTCT
CGATCCCCAGCAGAAGGTCGGTCCCAAGGCCAGCAAACCGCATACCTTAAGGTAACAGGAAAG
AGAGAGACAGCCCATCACCTAAGAAGGAGGCTACCAGAGCGGCATGCTTCTGGGTACACCAGAAAAT
CTCAGCAGAGGAACTAGAGCGGAAACGGCAGGAGATGATGGAAAATGCCAAGTGGAGGGAGGAGGAGG
CTCAACACCTCAAGAGGCACGCCAGGGAGGACGAGCGGGAGCACAGGCTGGAGAGGTTGGACTCTCGGT
CCGGCAAGTTCCTCCACCGCATGAAGCTGGAGAGTGCGTCGACCTCCTCCTGGAGGACCGGTGAAGCG
CAACATCCATTCCCTACAGCGGACGTCGGTGGCCCTGGAGAAGAACTTCATGAGGAGA

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG221154 representing NM_026186
 Red=Cloning site Green=Tags(s)

MGGDLNLKKSHPQTLRNVEKVVWKAQKHEAERKKIEELQRELREERAREEMQRYAEDVGAVKKKEEKL
 DWMYQPGGMVNRDEYLLGRPIDKYVFEKMEEREAGCSSETGLLPGSIFAPSGANSLDMASKIREDPLF
 IIRKKEEEKKREVLNPNVKKMKIKELLQMSLEKKEKKKKKKKKHRKHKHRSSSSGGSSSEDEQSQARS
 QKKMANSFPVLSKVPGYGLQVRDSDRNRLQGSLEQRAIKNNSRSRSPPRHASKKSTKEERPRDRRS
 RSPSRRSRSPRSPKPTSKVNRKERDPSPKKEAYQRRHASGYTRKLSAEELERKRQEMMENAKWREER
 LNTLKRHAREDERHRLERLDSRSGKFLHRMKLESASTSSLEDRVKRNIHSLQRTSVALEKNFMRR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



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

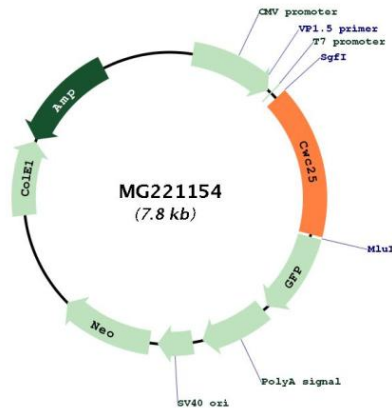
Locus ID: 67480

UniProt ID: [Q9DBF7](#)

Cytogenetics: 11 D

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

Product images:



Circular map for MG221154