

## Product datasheet for **RC213680**

### CCDC90B (NM\_021825) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC90B (NM_021825) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CCDC90B
Synonyms:	MDS011; MDS025
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC213680 representing NM_021825 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAATAGTCGCCAGGCTTGGCGGCTCTTTCTCTCCCAAGGCAGAGGAGATCGTTGGTTTCAAGGCCCC  
GCGGGCATTCTCGCCGGCCCTGCGGAGAGAGTTCTTCACTACCACAACCAAGGAGGGATATGATAGGCG  
GCCAGTGGATATAACTCCTTTAGAACAAGGAAATTAACTTTTGATACCCATGCATTGGTTCAGGACTTG  
GAAACTCATGGATTTGACAAAACACAAGCAGAAACAATTGTATCAGCGTTAACTGCTTTATCAAATGTCA  
GCCTGGATACTATCTATAAAGAGATGGTCACTCAAGCTCAACAGGAAATAACAGTACAACAGCTAATGGC  
TCAATTTGGATGCTATCAGGAAAGACATGGTCATCCTAGAGAAAAGTGAATTTGCAAATCTGAGAGCAGAG  
AATGAGAAAATGAAAATTGAATTAGACCAAGTTAAGCAACAATAATGCATGAAACCAAGTGAATCAGAG  
CAGATAATAAACTGGATATCAACTTAGAAAAGGAGCAGAGTAACAGATATGTTTACAGATCAAGAAAAGCA  
ACTTATGGAAAACAACTACAGAAATTTACAAAAAGGATACTCAAACCAAAGTATTATTTACAGAGACCAGT  
AATAAAATTGACGCTGAAATTGCTTCTTAAAAACTGATGGAATCTAACAACTTGAGACAATTCGTT  
ATCTTGCAGCTTCAGTGTACTTGCCCTGGCAATAGCATTGGGATTTTATAGATTCTGGAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC213680 representing NM\_021825  
Red=Cloning site Green=Tags(s)

MNSRQAWRLFLSQGRGDRWVSRPRGHFSPALRREFFTTTTKEGYDRRPVDITPLEQRKLTDFDHALVQDL  
 ETHGFDKTQAETIVSALTALSNVSLDTIYKEMVTQAQQEITVQQLMAHLDAIRKDMVILEKSEFANLRAE  
 NEKMKIELDQVKQQLMHETSRIRADNKLDINLERSRVTDMFTDQEKQLMETTTEFTKKDTQTKSIISETS  
 NKIDAEIASLKTLMESNKLETIRYLAASVFTCLAIALGFYRFWK

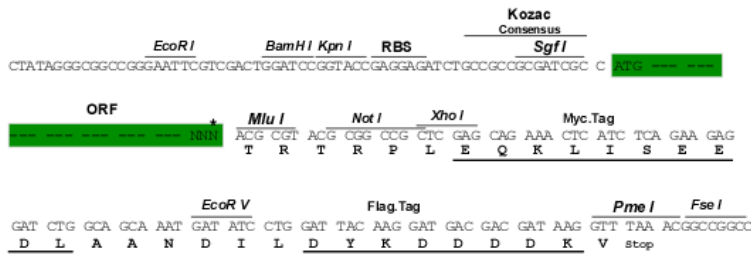
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8010\\_f08.zip](https://cdn.origene.com/chromatograms/mk8010_f08.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_021825

**ORF Size:** 762 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\\_021825.3](#), [NP\\_068597.2](#)

**RefSeq Size:** 1585 bp

**RefSeq ORF:** 765 bp

**Locus ID:** 60492

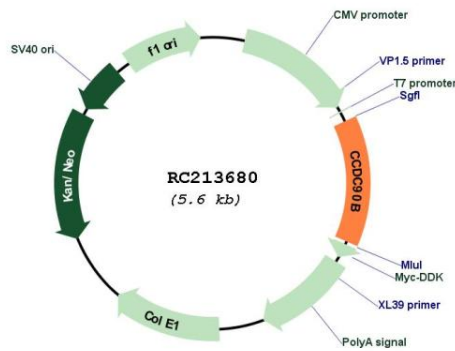
**UniProt ID:** [Q9GZT6](#)

**Cytogenetics:** 11q14.1

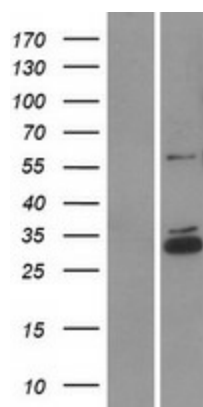
**Protein Families:** Transmembrane

**MW:** 29.3 kDa

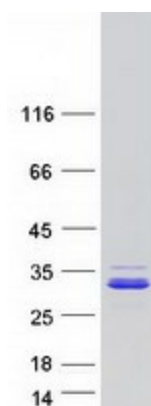
**Product images:**



Circular map for RC213680



Western blot validation of overexpression lysate (Cat# [LY411907]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC213680 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CCDC90B protein (Cat# [TP313680]). The protein was produced from HEK293T cells transfected with CCDC90B cDNA clone (Cat# RC213680) using MegaTran 2.0 (Cat# [TT210002]).