

## Product datasheet for **RC208965**

### CCDC50 (NM\_174908) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC50 (NM_174908) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CCDC50
Synonyms:	C3orf6; DFNA44; YMER
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC208965 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTGAAGTCAGCATCGACCAGTCCAAGCTGCCTGGAGTCAAGGAAGTATGCCGAGATTTTGCTGTCC  
TGGAGGACCACACCCTGGCTCACAGCCTGCAGGAACAAGAGATTGAGCATCATTTGGCATCGAACGTTCA  
GCGGAACCGTTTGGTCCAGCATGATCTCCAGGTGGCTAAGCAGCTCCAAGAGGAAGATCTGAAAGCGCAG  
GCCAGCTCCAGAAGCGCTACAAAGACCTTGAACAACAAGACTGTGAAATTGCTCAGGAAATTCAGGAGA  
AGCTGGCTATTGAGGCAGAGAGACGACGATTCAGGAGAAGAAGGATGAGGACATAGCTCGCCTTTTGCA  
AGAAAAGGAGTTACAGGAAGAGAAAAAGAGAAAAGAACTTTCCAGAGTCCCTGCAACCCGTCCTTAT  
GCAGATAGTTACTATTATGAAGATGGAGGAATGAAGCCAAGAGTGATGAAAGAAGCTGTATCTACTCCAT  
CACGAATGGCCACAGGGATCAGGAATGGTATGATGCTGAAATTGCCAGAAAAGTCAAGAAGAAGAACT  
TTTGGCTACCCAGGTGGACATGAGAGCCGCTCAAGTAGCTCAAGATGAAGAAATCGCTCGACTTCTAATG  
GCTGAAGAAAAGAAAGCTTACAAAAAGCCAAGGAGCGGGAGAAATCATCTTTGGACAAAAGAAAGCAAG  
ACCCCGAGTGGAAGCCAAAAACAGCTAAAGCAGCAAATCCAAGTCAAAAGAGAGTGATGAACCTCACCA  
TTCTAAGAATGAAAGGCCAGCACGGCCACCACCACCTATCATGACAGATGGTGAAGATGCGGATTACACT  
CATTTTACAAACCAGCAGAGTTCCACACGGCATTCTCAAATCAGAGTCCTCTCATAAAGGTTTTTCATT  
ACAAACAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)



**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\\_174908.4](#)

**RefSeq Size:** 8421 bp

**RefSeq ORF:** 921 bp

**Locus ID:** 152137

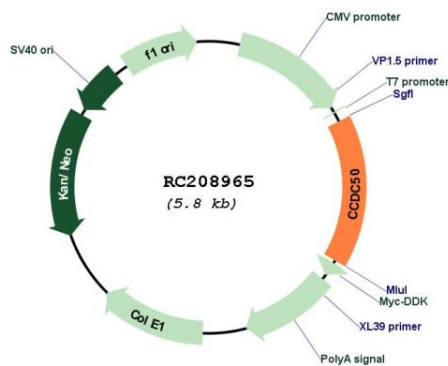
**UniProt ID:** [Q8IVM0](#)

**Cytogenetics:** 3q28

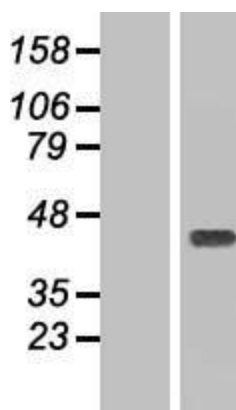
**MW:** 35.8 kDa

**Gene Summary:** This gene encodes a soluble, cytoplasmic, tyrosine-phosphorylated protein with multiple ubiquitin-interacting domains. Mutations in this gene cause nonsyndromic, postlingual, progressive sensorineural DFNA44 hearing loss. In mouse, the protein is expressed in the inner ear during development and postnatal maturation and associates with microtubule-based structures. This protein may also function as a negative regulator of NF-κB signaling and as an effector of epidermal growth factor (EGF)-mediated cell signaling. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Oct 2008]

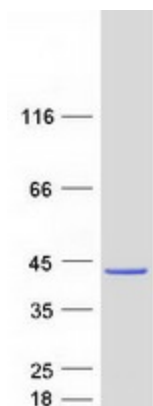
### Product images:



Circular map for RC208965



Western blot validation of overexpression lysate (Cat# [LY406391]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208965 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CCDC50 protein (Cat# [TP308965]). The protein was produced from HEK293T cells transfected with CCDC50 cDNA clone (Cat# RC208965) using MegaTran 2.0 (Cat# [TT210002]).