

Product datasheet for **SC307154**

CCDC50 (NM_178335) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC50 (NM_178335) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCDC50
Synonyms:	C3orf6; DFNA44; YMER
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC307154 representing NM_178335.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTGAAGTCAGCATCGACCAAGCTCAAGCTGCCTGGAGTCAAGGAAGTATGCCGAGATTTTGTGTC
CTGGAGGACACACCCTGGCTCACAGCTGCAGGAACAAGAGATTGAGCATCATTGGCATCGAACGTT
CAGCGGAACCGTTTGGTCCAGCATGATCTCCAGGTGGCTAAGCAGCTCCAAGAGGAAGATCTGAAAGCG
CAGGCCAGCTCCAGAAGCGCTACAAAGACCTGAACAACAAGACTGTGAAATTGCTCAGGAAATTCAG
GAGAAGCTGGCTATTGAGGCAGAGAGACGACGATTGAGGAGAAGAAGGATGAGGACATAGCTCGCCTT
TTGCAAGAAAAGGAGTTACAGGAAGAGAAAAAGAGAAAGAACTTTCCAGAGTTCCCTGCAACCCGT
GCTTATGCAGATAGTTACTATTGAAGATGGAGACCAACCAGGGTCAAGGAGGGCCAGGGAATGGGT
TCTGGATTCTCAAGACCTTGTAGACTCCAAGAGATGGAAGACTGTGAAGCACAAGAAAGAGAAACCA
GAACATCCACTGGAGAATTGGAAGAGCCAGAACAACATTGTTTCATCGAAGAGATCCCTGTCATCTCT
AGCTCGGCAAAAGGGAGGACAATCCCATATTAACAATGAGCAGCATGAAAGGAAACGGTCCACTCAG
GAGAGGCCTCGGAGACCTCTGTTCCACGATCAGTGGTGAAGTGTCTGAGCACTGAATGTGATGAC
TGGGAGACTAAGATTAACCATCAGACTCGAAATGGGAAAAACAGTCTCGACACCAAGATCGACTTTCA
CCCAAGTCTCACAAAAAGCAGGGCTTCACTGCAAGGAAGTTGTATATGGGAGGGACCATGGGCAAGGT
GAGCACAGAAAAAGGAGACACAGGCCAGGACTCCTCCATTCTCAGAGAGTGAGGAGCAGCTCCACCTC
CATGACGCAGGAATGAAGCCAAGAGTGATGAAAGAAGCTGTATCTACTCCATCACGAATGGCCCACAGG
GATCAGGAATGGTATGATGCTGAAATGCCAGAAAAGTCAAGAAAGAAGAACTTTGGCTACCCAGGTG
GACATGAGAGCCGCTCAAGTAGCTCAAGATGAAGAAATCGCTCGACTTCTAATGGCTGAAGAAAAGAAA
GCTTACAAAAAGCCAAGGAGCGGGAGAAATCATCTTTGGACAAAAGAAAGCAAGACCCCGAGTGGAAAG
CCAAAAACAGCTAAAGCAGCAAATTCAGAGTCAAAGAGAGATGATGAACCTCACCATTTCTAAGAATGAA
AGGCCAGCACGGCCACCACCTATCATGACAGATGGTGAAGATGCGGATTACACTCATTTTACAAC
CAGCAGAGTTCCACAGGCATTTCTCAAATCAGAGTCTCTATAAAGGTTTTCTTACAAACATTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

Plasmid Map: □

ACCN: NM_178335

Insert Size: 1449 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_178335.2](#)

RefSeq Size: 8949 bp

RefSeq ORF: 1449 bp

Locus ID: 152137

UniProt ID: [Q8IVM0](#)

Cytogenetics: 3q28

MW: 56.3 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- κ B 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]

Transcript Variant: This variant (2) represents the longer transcript and encodes the long isoform. Sequence Note: The RefSeq transcript and protein were derived from transcript and genomic sequence to make the sequence consistent with the reference genome assembly. The extent of this transcript is supported by transcript alignments.