

Product datasheet for **RG205529**

CCDC11 (CFAP53) (NM_145020) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC11 (CFAP53) (NM_145020) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CCDC11
Synonyms:	CCDC11; HTX6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG205529 representing NM_145020
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTACAGCCAGCGGTTTGGCACCGTACAGCGGGAGGTTAAGGGCCCCACCCCCAAAGTGGTGATCGTGA
 GATCCAAGCCTCCTAAAGGCCAAGGAGCTGAGCACCATCTAGAAAAGAACCGACGCAGCCATCAGAAGCA
 TAATGCTATTTTGGCTTCCATTAAGTCAAGTGAGCGGGATCGCTTGAAAGCTGAGTGGGACCAGCACAAT
 GACTGCAAGATTTTGGACAGCCTTGTGCGAGCAAGAATCAAGGATGCTGTGCAAGGGTTTATCATTAAACA
 TTGAAGAAAGACGAAATAAGCTACGTGAGCTTTTAGCATTAGAAGAAAATGAGTATTTTACAGAAATGCA
 ATTGAAGAAAGAAACCATTGAGGAGAAAAAGATAGGATGAGAGAGAAAATAAATTACTAAAAGAGAAG
 AATGAAAAAGAGAGGCAGGATTTTGTGGCTGAAAAGCTAGACCAGCAATTCAGGGAACGCTGTGAGGAGC
 TCCGTGTTGAATTGTTATCTATCCATCAGAAGAAGGTGTGTGAGGAGCGGAAAGCACAGATTGCATTTAA
 TGAGGAGCTGAGCAGGCAAAAGCTGGTGAAGAGCAGATGTTCTCAAACCTCTGGGAGGAAGACCGATTA
 GCCAAGGAAAAGCGAGAAGCCCCAAGAGGCGAGGAGACAGAAAGAGCTGATGGAGAACACACGCCTGGGGC
 TGAATGCCAGATCACCAGCATCAAGGCACAAAGGCAGGCGACACAGCTGCTGAAGGAAGAGGAGGCACG
 CCTTGTGGAAGTAACAACGCACAGATTAACATGAGAATGAACAGGATATGCTAAAGAAACAGAAGGCA
 AAGCAGGAAACTAGGACCATTTTGCAAAAAGCCCTACAAGAGAGGATAGAACATATTCAGCAGGAATACA
 GAGACGAACAGGACTTGAACATGAAGCTCGTGCAAAAGGGCCCTTCAAGACTTACAGGAAGAGGCAGATAA
 AAAGAAACAAAAAGAGAAGATATGATAAGAGAACAGAAGATATACCATAAATATTTGGCACAGAGACGT
 GAGGAAGAAAAAGCTCAGGAGAAAGAATTTGACAGAATATTAGAGGAAGACAAGGCAAGAAGTTGGCTG
 AGAAGGACAAGGAGCTGAGACTTGAAAAGGAGGCAAGGAGACAGCTTGTGGATGAGGTCATGTGTACAAG
 AAAACTTCAAGTTCAAGAAAAGTTGCAACGAGAAGCTAAAGAACAGGAAGAACGTGCTATGGAACAGAAA
 CACATAAATGAAAGTCTTAAAGAACTTAAGTGTGAAGAGAAGGAGAATTTTGAAGACGCCAACGTTTAG
 CCCAGGAGTACAGGAAGCAACTTCAGATGCAAATCGCCTACCAGCAGCAGTCCCAAGAAGCAGAGAAGGA
 AGAGAAACGCCGAGAGTTTGAAGCAGGTGTAGCAGCAACAAGATGTGTTTGGACAAGGTCCAGGAGGTC
 CTGTCCACCCATCAAGTGCTGCCTCAAACATTCATCCCATGCGCAAGGCATGCCCCAGTAAGCTTCCAC
 CG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG205529 representing NM_145020
 Red=Cloning site Green=Tags(s)

MYSQRFQTVQREVKGPTPKVVIIVRSKPPKGQGAHHLEIRRSQKHNAIILASIKSSERDRLKAEDQHN
 DCKILDSLVRIKDAVQGFIIIEERRNKLRELLALEENEYFTQMQLKETIEKKDRMREKTKLLKEK
 NEKERQDFVAEKLDQQFRERCEELRVLLSIHQKKVCEERKAQIAFNEELSRQKLVEEQMFSKLWEEDRL
 AKEKREAQEARQKELMENTRLGLNAQITSIKAQRQATQLLKEEEARLVESNNAQIKHENEQDMLKKQKA
 KQETRITLQKALQERIEHIQQEYRDEQDLNMKLQVQALQDLQEEADKKKQKREDMIREQKIYHKYLAQRR
 EEEKAQEKEFDRILEDKAKKLAEKDKELRLEKEARRQLVDEVMCTRKLQVQEKLQREAKEQEERAMEQK
 HINESLKELNCEEKENFARRQLAQEYRQLQMQUIAYQQSQEAEKEEKRREFEAGVAANKMCLDKVQEV
 LSTHQVLPQNIHPMRKACPSKLPP

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

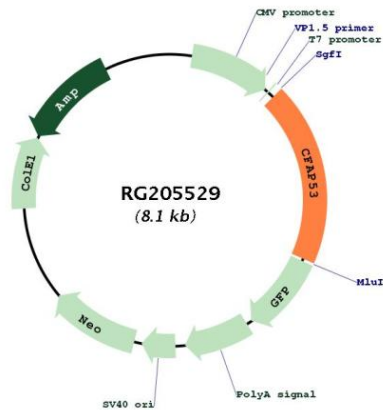

ACCN:	NM_145020
ORF Size:	1542 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_145020.5
RefSeq Size:	1837 bp
RefSeq ORF:	1545 bp
Locus ID:	220136

UniProt ID: [Q96M91](#)

Cytogenetics: 18q21.1

Gene Summary: This gene belongs to the CFAP53 family. It was found to be differentially expressed by the ciliated cells of frog epidermis and in skin fibroblasts from human. Mutations in this gene are associated with visceral heterotaxy-6, which implicates this gene in determination of left-right asymmetric patterning. [provided by RefSeq, Aug 2015]

Product images:



Circular map for RG205529