

## Product datasheet for **RG215553**

### CDCP1 (NM\_178181) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CDCP1 (NM_178181) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CDCP1
Synonyms:	CD318; SIMA135; TRASK
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG215553 representing NM_178181 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCGGCTGAACTGCGGGTCTCTATCGCACTGCTAGGGTCTGCTGCTGGGTGCGGCGGCCTGC  
CGCGGGGCGAGAAGCTTTGAGATTGCTCTGCCACGAGAAAGCAACATTACAGTTCTCATAAAGCTGGG  
GACCCCGACTCTGCTGGCAAACCCTGTTACATCGTCATTTCTAAAAGACATATAACCATGTTGTCCATC  
AAGTCTGGAGAAAGAATAGTCTTACCTTTAGCTGCCAGAGTCTGAGAATCACTTTGTCATAGAGATCC  
AGAAAAATATTGACTGTATGTCAGGCCCATGTCCTTTTGGGAGGTTTCAGCTTCAGCCCTCGACATCGTT  
GTTGCCTACCCTCAACAGAACTTTCATCTGGGATGTCAAAGCTCATAAGAGCATCGGTTTAGAGCTGCAG  
TTTTCCATCCCTCGCCTGAGGCAGATCGGTCCGGTGAGAGCTGCCAGACGGAGTCACTCACTCCATCA  
GCGGCCGAATCGATGCCACCGTGGTCAGGATCGGAACCTTCTGCAGCAATGGCACTGTGTCCCGGATCAA  
GATGCAAGAAGGAGTGAAAATGGCCTTACACCTCCCATGGTTCCACCCAGAAAATGTCTCCGGCTTCAGC  
ATTGCAAACCGCTCATCTATAAACGTCTGTGCATCATCGAGTCTGTGTTTGAGGGTGAAGGCTCAGCAA  
CCCTGATGTCTGCCAACTACCCAGAAGGCTTCCCTGAGGATGAGCTCATGACGTGGCAGTTTGTCTGTTCC  
TGCACACCTGCGGGCCAGCGTCTCCTTCTCAACTCAACCTCTCAACTGTGAGAGGAAGGAGGAGCGG  
GTTGAATACTACATCCCGGGCTCCACCACCAACCCGAGGTGTTCAAGCTGGAGGACAAGCAGCCTGGGA  
ACATGGCGGGAACTTCAACCTCTCTGCAAGGCTGTGACCAAGATGCCAAAGTCCAGGGATCCTCCG  
GCTGCAGTTCGAAGTTTTGGTCCAACATCCACAAAATGAAAGCAGTGAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG215553 representing NM\_178181  
Red=Cloning site Green=Tags(s)

MAGLNCGVSIALLGVLLLGAARLPRGAEAFEIALPRESNITVLIKLGTPTLLAKPCYIVISKRHITMLSI  
 KSGERIVFTFSCQSPENHFVIEIQKNIDCMSPGCPFGEVQLQPSTSLPLTLNRTFIWDVKAHKSIGLELQ  
 FSIPRLRQIGPGESC PDGVTHSISGRIDATVVRIGTFCSNGTVSRIKMQEGVKMALHLPWFHPRNVSGFS  
 IANRSSIKRLCIIESVFEGEGSATLMSANYPEGFPEDELMTWQFVVP AHLRASVSFLNFNLSNCKERKEER  
 VEYIIPGSTTNP EYFKLEDKQPGNMAGNFNLSLQGC DQDAQSPGILRLQFQVLVQHPQNESSE

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_178181

**ORF Size:** 1029 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\\_178181.2](#)

**RefSeq Size:** 1410 bp

**RefSeq ORF:** 1032 bp

**Locus ID:** 64866

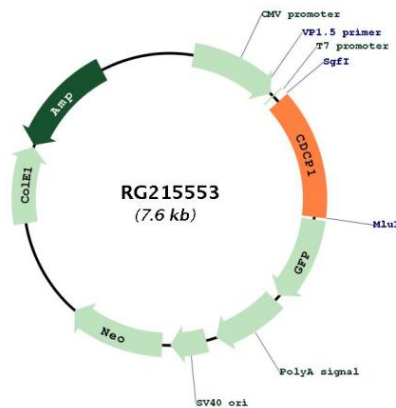
**UniProt ID:** [Q9H5V8](#)

**Cytogenetics:** 3p21.31

**Protein Families:** ES Cell Differentiation/IPS, Transmembrane

**Gene Summary:** This gene encodes a transmembrane protein which contains three extracellular CUB domains and acts as a substrate for Src family kinases. The protein plays a role in the tyrosine phosphorylation-dependent regulation of cellular events that are involved in tumor invasion and metastasis. Alternative splicing results in multiple transcript variants of this gene. [provided by RefSeq, May 2013]

### Product images:



Circular map for RG215553