

Product datasheet for **RG220633**

CDCP1 (NM_022842) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDCP1 (NM_022842) 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)



[View online »](#)

ORF Nucleotide
Sequence:

>RG220633 representing NM_022842
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCGGCCTGAACTGCGGGTCTCTATCGCACTGCTAGGGTCTGCTGCTGGGTGCGGCCGCGCCTGC
CGCGCGGGCAGAAGCTTTTGGATTGCTCTGCCACGAGAAAGCAACATTACAGTTCTCATAAAGCTGGG
GACCCCGACTCTGCTGGCAAAACCTGTTACATCGTCATTTCTAAAAGACATATAACCATGTTGTCCATC
AAGTCTGGAGAAAGAATAGTCTTTACCTTTAGCTGCCAGAGTCTGAGAATCACTTTGTCATAGAGATCC
AGAAAAATATTGACTGTATGTCAGGCCATGTCCTTTTGGGGAGGTTTCACTTCCAGCCCTCGACATCGTT
GTTGCCTACCCTCAACAGAACTTTCATCTGGGATGTCAAAGCTCATAAGAGCATCGGTTTAGAGCTGCAG
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GCGGCCGAATCGATGCCACCGTGGTCAAGATCGGAACCTTCTGCAGCAATGGCACTGTGTCCCGGATCAA
GATGCAAGAAGGAGTGAAAATGGCCTTACACCTCCCATGGTTCCACCCAGAAAATGTCTCCGGCTTCAAGC
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TGCACACCTGCGGGCCAGCGTCTCCTTCCCTCAACTTCAACCTCTCCAACCTGTGAGAGGAAGGAGGAGCGG
GTTGAATACTACATCCCGGGCTCCACCACCAACCCCGAGGTGTTCAAGCTGGAGGACAAGCAGCCTGGGA
ACATGGCGGGGAACTTCAACCTCTCTGCAAGGCTGTGACCAAGATGCCCAAAGTCCAGGGATCCTCCG
GCTGCAGTTCCAAGTTTGGTCCAACATCCACAAAATGAAAGCAATAAAATCTACGTGGTTGACTTGAGT
AATGAGCGAGCCATGTCCTCACTCAGGACCGGCGGCTCAAACAGAGCCGAAGTTTGTCCCTGGCT
GTTTCCGTGTCTAGAATCTCGACCTGCAGTACCACTCAGTACCTGACATCTGGCTCAAACAGAAAAT
CTCCTTCCCTTTGTGATGATCTGACACGTCTGTGGATGAATGTGGAAAAAACCATAAAGCTGCACAGACCAC
CGTACTGCCAAAGGAAATCCTACTCACTCCAGGTGCCAGTGCATCCTCCACCTGCCTGTGGAGCTGC
ATGACTTCTCCTGGAAGCTGCTGGTGCCCAAGGACAGGCTCAGCCTGGTGTGTTGCCAGCCAGAAAGCT
GCAGCAGCATACACGAGAAGCCCTGCAACACCAGCTTCAAGTACCTCGTGGCCAGTGCATACCCAGC
CAGGACCTGTACTTCGGCTCCTTCTGCCCGGGAGGCTCTATCAAGCAGATCCAGGTGAAGCAGAATCT
CGGTGACCCTTCGCACCTTTGCCCCAGCTTCCGACAAGAGGCCCTCCAGGCAGGGTCTGACGGTGCCTT
TATACCTTATTTCAAAGAGGAAGGCGTTTTCACGGTGACCCTGACACAAAAAGCAAGGTCTACCTGAGG
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CATCCAGGAGCAGCGGACCCGGGCTGAGGAGATCTTCAAGCTGGACGAGGATGTGCTCCCAAGCAAGC
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AGTCTTACTGCTGTCTGCCCTCGGGTCACTCATTTGCTGTGTGAAAAAGAAGAAAAAGAAGACAAACAAG
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GTCTGTCTCCTCCCTCCCAACCATATGCTCCAGGGCCCAACTGCAAAGTTGGCCACTGAGGAGCCAC
CTCCTCGTCCCTCCTGAGTCTGAGAGTGAACCGTACACCTTCTCCATCCCAACAATGGGGATGTAAG
CAGCAAGGACACAGACATTCCCTTACTGAACACTCAGGAGCCCATGGAGCCAGCAGAA

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG220633 representing NM_022842
Red=Cloning site Green=Tags(s)

MAGLNCGVSIALLGVLLLGAARLPRGAEAFEIALPRESNITVLIKLGTPDLLAKPCYIVISKRHITMLSI
KSGERIVFTFSCQSPENHFVIEIQKNIDCMGSPCFGEVQLQPSTSLPLTLNRTFIWDVKAHKSIGLELQ
FSIPRLRQIGPGESCPDGVTHSISGRIDATVVRIGTFCSNGTVSRIKMQEGVKMALHLPWFHPRNVSGFS
IANRSSIKRLCIIESVFEGEGSATLMSANYPEGFPPEDELMTWQFVVPAPHLRASVSFLNFNLSNCERKEER
VEYYIPGSTTNPEVFKLEDKQPGNMAGNFNLSLQGCQDAQSPGILRLQFQVLVQHPQNESNKIYVVDLS
NERAMSLTIEPRPVKQSRKFVPGCFVCLERTCSNLTLTSGSKHKISFLCDDLTRLWMNVEKTIISCTDH
RYCQRKSYSLQVPSDILHLPVELHDFSWKLLVPKDRLSLVLVPAQKLQQTHTHEKPCNTSFSYLVASAI
PSQDLYFGSFCPGGSIKQIQVKNISVTLRTFAPFRQEQASRQGLTVSFIQYFKEEGVFTVTPDTKSKVYLR
TPNWDRGLPSLTSVSWNISVPRDQVACLTFKERSGVVCGTGRAFMIIQEQRTAEEIFSLDEDVLPKPS
FHHSFWWNISNCSPTSGKQLDLLFSVTLTPRTVDLTVILIAAVGGVLLLLSALGLIICCVKKKKKTKNK
GPAVGIYNGNINTEMPRQPKFKQGRKDNDSHVYAVIEDTMVYGHLLQDSSGSFLQPEVDYRPFQGTMG
VCPSPPTICSRAPAKLATEEPPPRSPPESESEPYTFSHPNNGDVSSKDTDIPLLNTPQEPMEPAE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



ACCN: NM_022842

ORF Size: 2508 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_022842.3](#), [NP_073753.3](#)

RefSeq Size: 6017 bp

RefSeq ORF: 2511 bp

Locus ID: 64866

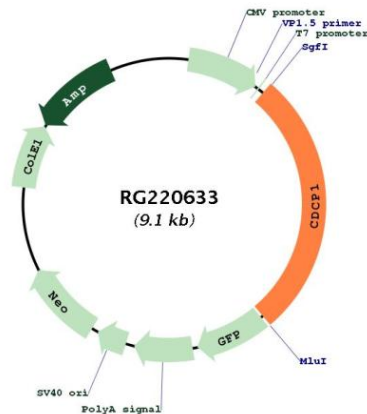
UniProt ID: [Q9H5V8](#)

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 RG220633