

## Product datasheet for **RG206655**

### **CLEC14A (NM\_175060) Human Tagged ORF Clone**

#### **Product data:**

<b>Product Type:</b>	Expression Plasmids
<b>Tag:</b>	TurboGFP
<b>Symbol:</b>	CLEC14A
<b>Synonyms:</b>	C14orf27; CEG1; EGFR-5
<b>Mammalian Cell Selection:</b>	Neomycin
<b>Vector:</b>	pCMV6-AC-GFP (PS100010)
<b>E. coli Selection:</b>	Ampicillin (100 ug/mL)



**ORF Nucleotide Sequence:** >RG206655 representing NM\_175060  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGGATCGCC

ATGAGCGCGGCTTCGCCCTGTGCCTCTCTGGCAGGCGCTCTGGCCCGGGCCGGGCGGCGGAACACC  
CCACTGCCGACCGTGTGGCTGCTCGGCCCTCGGGGGCCTGCTACAGCCTGCACCACGCTACCATGAAGCG  
GCAGGCGGGCAGGAGGCTGCATCCTGCGAGGTGGGGCGCTCAGCACCGTGCCTGCGGGCCGAGCTG  
CGCGCTGTGCTCGCGCTCCTGCGGGCAGGCCAGGGCCGGAGGGGGCTCCAAGACCTGCTGTTCTGGG  
TCGCACTGGAGCGCAGGCGTTCCACTGCACCTGGAGAACGAGCCTTTGCGGGGTTTCTCTGGCTGTC  
CTCCGACCCCGCGGCTCGAAAGCGACACGCTGCAAGTGGGTGGAGGAGCCCAACGCTCCTGCACCGCG  
CGGAGATGCGCGTACTCCAGGCCACCGGTGGGGTTCGAGCCCGCAGGCTGGAAGGAGATGCGATGCCACC  
TGCGCGCAACGGCTACCTGTGCAAGTACCAGTTTGGGTCTTGTCTGCGCCGCGCCCGGGGCCGCG  
CTCTAACTTGAAGTATCGCGCGCCCTTCCAGCTGCACAGCGCCGCTCTGGACTTCAGTCCACCTGGGACC  
GAGGTGAGTGCCTCTGCGGGGACAGCTCCCGATCTCAGTTACTTGCATCGCGGACGAAATCGGCGCTC  
GCTGGGACAACTCTCGGGCGATGTGTTGTGCTCCTGCCCCGGGAGGTACCTCCGTGCTGGCAAATGCGC  
AGAGCTCCCTAACTGCCTAGACGACTTGGGAGGCTTTCCTGCGAATGTGCTACGGGCTTCGAGCTGGGG  
AAGGACGGCCGCTCTTGTGTGACCAAGTGGGAAGGACAGCCGACCTTGGGGGACCGGGGTGCCACCA  
GGCGCCCGCGGCCACTGCAACCAGCCCGCTGCGCAGAGAACATGGCCAATCAGGGTCGACGAGAAGCT  
GGGAGAGACACCACTTGTCCCTGAACAAGACAATTGAGTAACATCTATTCTGAGATTCTCGATGGGGA  
TCACAGAGCAGATGTCTACCCTTCAAATGTCCCTTCAAGCCGAGTCAAAGGCCACTATCACCCCATCAG  
GGAGCGTGATTTCAAAGTTAATTCTACGACTTCTCTGCCACTCCTCAGGCTTTCGACTCCTCCTCTGC  
CGTGGTCTTCAATTTGTGAGCACAGCAGTAGTAGTGTGGTATCTTGACCATGACAGTACTGGGGCTT  
GTCAAGCTCTGCTTTCAGAAAGCCCTCTTCCAGCCAAGGAAGGAGTCTATGGGCCCGCGGGCTGG  
AGAGTGATCCTGAGCCCGCTGCTTTGGGCTCCAGTTCTGCACATTGCACAAACAATGGGGTCAAAGTCCG  
GGACTGTGATCTGCGGGACAGAGCAGAGGGTGCCTTGTGGCGAGTCCCCTTGGCTCTAGTGATGCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG206655 representing NM\_175060  
Red=Cloning site Green=Tags(s)

MRPAFALCLLWQALWPGPGGGEHPTADRAGCSASGACYSLHHATMKRQAAEEACILRGGALSTVRAGAE  
RAVLALLRAGPGPGGSKDLLFWVALERRRSHCTLENEPLRGFSWLSSDPGGLESRTLQWVEEQRSCA  
RRCAVLQATGGVEPAGWKEMRCHLRANGYLCKYQFEVLCPPRPGAASNL SYRAPFQLHSAALDFSPPGT  
EVSALCRGQLPISVTCTIADEIGARWDKLSGDVLCPCGRYL RAGKCAELPNCLDDLGGFACCATGFELG  
KDGRSCVTSSEGQPTLGGTGVPTRRPATATSPVQRTWPIRVDEKLGETPLVPEQDNSVTSIPEIPRWG  
SQSTMSTLQMSLQAESKATITPSGSVISKFNSTSSATPQAFDSSSAVVFIFVSTAVVVLVILTMTVLGL  
VKLCFHESPSSQPRKESMGPPGLESDEPEAALGSSSAHCTNNGVKVGDCLDRDRAEGALLAESPLGSSDA

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_175060

**ORF Size:** 1470 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\\_175060.3](#)

RefSeq Size: 2256 bp

RefSeq ORF: 1473 bp

Locus ID: 161198

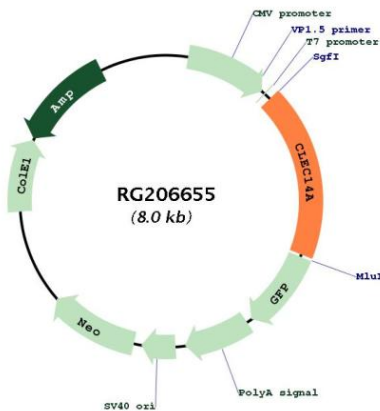
UniProt ID: [Q86T13](#)

Cytogenetics: 14q21.1

Protein Families: Transmembrane

**Gene Summary:** This gene encodes a member of the C-type lectin/C-type lectin-like domain (CTL/CTLD) superfamily. Members of this family share a common protein fold and have diverse functions, such as cell adhesion, cell-cell signalling, glycoprotein turnover, and roles in inflammation and immune response. This family member plays a role in cell-cell adhesion and angiogenesis. It functions in filopodia formation, cell migration and tube formation. Due to its presence at higher levels in tumor endothelium than in normal tissue endothelium, it is considered to be a candidate for tumor vascular targeting. [provided by RefSeq, Jan 2012]

### Product images:



Circular map for RG206655