

## **Product datasheet for RG233632**

## CLEC4G (NM 001244856) Human Tagged ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** CLEC4G (NM\_001244856) Human Tagged ORF Clone

Tag: TurboGFP Symbol: CLEC4G

Synonyms: DTTR431; LP2698; LSECtin; UNQ431

Mammalian Cell

Selection:

Neomycin

**Vector:** pCMV6-AC-GFP (PS100010)

**E. coli Selection:** Ampicillin (100 ug/mL)

ORF Nucleotide >RG233632 representing NM\_001244856
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

 ${\tt TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC}$ 

GCCGCGATCGCC

AGCGGACCGACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com Protein Sequence: >RG233632 representing NM\_001244856

Red=Cloning site Green=Tags(s)

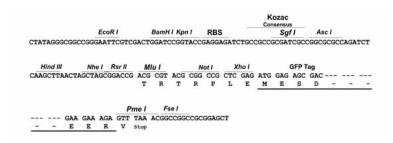
MDTTRYRPWGRWVHWSRRPLFLALAVLVTTVLWAVILSILLSKASTERAALLDGHDLLRTNASKQTAALG ALKEEVGDCHSCCSGTQAQLQTTRAELGEAQAKLMEQESALRELRERVTQGLAEAGRGREDVRTELFRAL EAVRLQNNSCEPCPTSWLSFEGSCYFFSVPKTTWAAAQDHCADASAHLVIVGGLDEQGFLTRNTRGRGYW LGLRAVRHLGKVQGYQWVDGVSLSFSHWNQGEPNDAWGRENCVMMLHTGLWNDAPCDSEKDGWICEKRHN

SGPTRTRRLE - GFP Tag - V

**Restriction Sites:** Sgfl-Rsrll

**Cloning Scheme:** 





**ACCN:** NM\_001244856

ORF Size: 843 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: <u>NM 001244856.1</u>, <u>NP 001231785.1</u>

RefSeq Size: 1341 bp
RefSeq ORF: 846 bp
Locus ID: 339390
Cytogenetics: 19p13.2

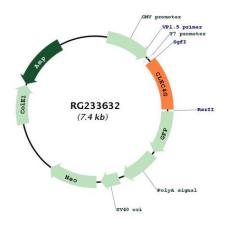
**Protein Families:** Druggable Genome, Transmembrane

**Gene Summary:** This gene encodes a glycan-binding receptor and member of the C-type lectin family which

plays a role in the immune response. C-type lectin receptors are pattern recognition receptors located on immune cells that play a role in the recognition and uptake of both self and non-self glycoproteins as well as mediating cell adhesion, glycoprotein clearance, and cell signaling functions. This gene's protein binds complex-type N-glycans of the viral envelope proteins of Ebola virus, West Nile filovirus, and SARS coronavirus, but not HIV or hepatitis C virus. In mouse, this protein has been shown to recognize activated T-cells and to negatively regulate T-cell receptor-mediated signalling. It also acts as a novel, liver-specific regulator of NK cell-mediated immunity in mouse. Multiple transcript variants encoding different isoforms have

been found for this gene. [provided by RefSeq, Apr 2020]

## **Product images:**



Circular map for RG233632