

## Product datasheet for **RG202315**

### **C9ORF46 (PLGRKT) (NM\_018465) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** C9ORF46 (PLGRKT) (NM\_018465) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** C9ORF46  
**Synonyms:** AD025; C9orf46; MDS030; Plg-R(KT); PLG-RKT  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG202315 representing NM\_018465  
**Red**=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGTTTATATTTTCAAATCTATGAATGAAAGCATGAAAAATCAAAGGAGTTCATGCTTATGAATG  
CTCGACTTCAGCTGAAAGGCAGCTCATCATGCAGAGTAAATGAGGGAAAGACAAATGGCCATGCAGAT  
TGCGTGGTCTCGGAATTCCTCAAATATTTTGGAACTTTTTTGGCCTTGCAGCCATCTCTTAAACAGCT  
GGAGCGATTAAGGAAAGCCAGCCTTCTGGTCCCGATTGTCCATTAAGCTTTATCCTCACCTACC  
AGTATGACTTGGGCTATGGAACCTTTTAGAAAGAATGAAAGGTGAAGCTGAGGACATACTGAAACAGA  
AAAGAGTAAATTGCAGCTGCCAAGAGGAATGATCACTTTTGAAGCATTGAAAAAGCCAGAAAGGAACAG  
AGTAGATTCTTCATAGACAAA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG202315 representing NM\_018465  
**Red**=Cloning site **Green**=Tags(s)

MGFIFSKSMNESMKNQKEFMLMNRQLQLERQLIMQSEMRERQMAMQIAWSREFLKYFGTFFGLAAISLTA  
GAIKKKKPAFLVPIVPLSFILTYQYDLGYGTLLEMRMKGEAEDILETEKSKLQLPRGMITFESIEKARKEQ  
SRFFIDK

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**


ACCN: NM\_018465

ORF Size: 441 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\\_018465.4](#)

RefSeq Size: 927 bp

RefSeq ORF: 444 bp

Locus ID: 55848

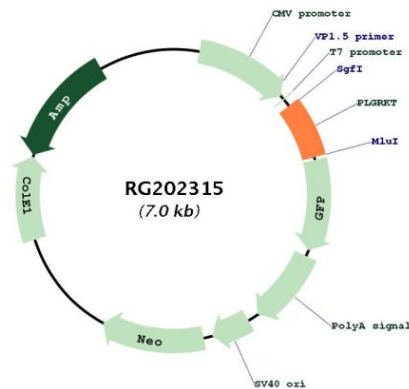
UniProt ID: [Q9HBL7](#)

**Cytogenetics:** 9p24.1

**Protein Families:** Transmembrane

**Gene Summary:** Receptor for plasminogen. Regulates urokinase plasminogen activator-dependent and stimulates tissue-type plasminogen activator-dependent cell surface plasminogen activation. Proposed to be part of a local catecholaminergic cell plasminogen activation system that regulates neuroendocrine prohormone processing. Involved in regulation of inflammatory response; regulates monocyte chemotactic migration and matrix metalloproteinase activation, such as of MMP2 and MMP9.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RG202315