

## **Product datasheet for RG225080**

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OriGene Technologies, Inc.

# CYB561D1 (NM\_001134404) Human Tagged ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** CYB561D1 (NM\_001134404) Human Tagged ORF Clone

Tag: TurboGFP

Symbol: CYB561D1

Mammalian Cell Neomycin

Selection:

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

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

ORF Nucleotide >RG225080 representing NM\_001134404
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

CTCTCCTATGTTCACAGTTCTGCCTCTGCATGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG225080 representing NM\_001134404

Red=Cloning site Green=Tags(s)

MQPLEVGLVPAPAGEPRLTRWLRRGSGILAHLVALGFTIFLTALSRPGTKTGPLMEDRSEGGRARWVMPE

IPALWEADAGGSLEVFSPGTLYSWPWRMYESTSFFSGLQARHEAYWLSPMFTVLPLHG

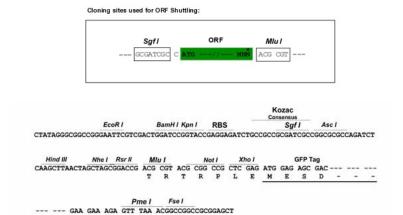
TRTRPLE - GFP Tag - V

**Restriction Sites:** Sgfl-Mlul

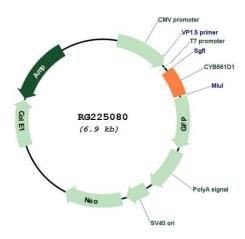




#### **Cloning Scheme:**



#### Plasmid Map:



**ACCN:** NM\_001134404

ORF Size: 384 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



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**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 001134404.2</u>

RefSeq Size: 5125 bp
RefSeq ORF: 387 bp
Locus ID: 284613
Cytogenetics: 1p13.3

**Protein Families:** Transmembrane

**Gene Summary:** Probable transmembrane reductase that may use ascorbate as an electron donor and

transfer electrons across membranes to reduce monodehydro-L-ascorbate radical and iron

cations Fe(3+) in another cellular compartment.[UniProtKB/Swiss-Prot Function]