

Product datasheet for **RG220823**

ZYG11B (NM_024646) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZYG11B (NM_024646) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZYG11B
Synonyms:	ZYG11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG220823 representing NM_024646
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGCCCGAGGACCAGGCCGGCGCAGCCATGGAGGAGCGTCTCCCTATTCCTTACTTGATATCTGCTTGA
 ATTTCTTGACTACTCACCTTGAGAAGTTCTGTTACGCCAGACAAGATGGAACATTGTGTCTGCAGGAACC
 TGGAGTATTCCCACAGGAGGTGGCTGATCGACTGCTTCGGACCATGGCTTTTCATGGTCTATTGAATGAT
 GGAAGTGTGGGTATTTTTAGGGGCAACCAGATGCGCTTAAAGCGAGCCTGCATTCCGAAAGCAAAGATCT
 CTGCTGTTGCTTCCGGAAAGCTTTCTGCCACCACAAGTTAGTGGAACCTTGATGCCACAGGTGTGAATGC
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 ATCAAAGATCATGAACATACTGATCCCCATGTCCAACAGATTGCTGTGGCCATTCTGGATAGCTTAGAAA
 AACACATTGTGCCCATGGGAGGCCACCTCCCTGTAAAAAACAGCCCCAAGCCAGACTAAAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG220823 representing NM_024646
 Red=Cloning site Green=Tags(s)

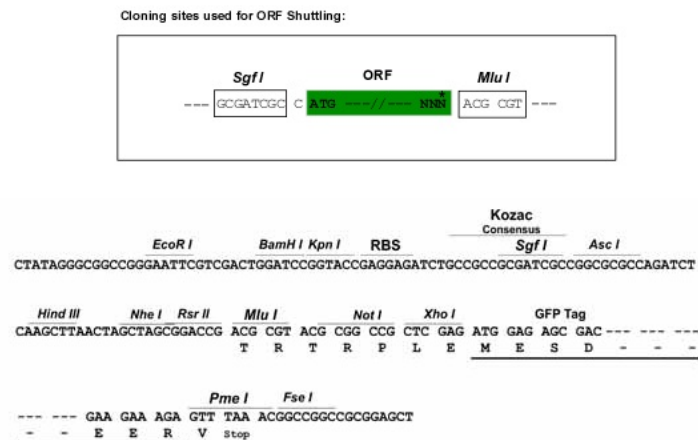
MPEDQAGAAMEEASPYSLLDICLNFLTTHLEKFC SARQDGTLC LQEPGVFPQEVADRLRLTMAFHGLLND
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 LVLNSLTLSLEDPYERCF SRLSGLRAL SITNVLFYNEDLAEVASLPRLSLDISNTSITDITALLACKDR
 LKSLTMHHLKCLKMTTQTILDVVRELKHLNHLDISDDKQFTSDIALRLLEQKDILPNLVSLDVSGRKHVT
 DKAVEAFIQRP SMQFVGLLATDAGYSEFLTGEGLKVSGEANETQIAEALKRYSERAFFVREALFHLFS
 LTHVMEKTKPEILKL VVTGMRNHMPNLPVQLAASACVFNLTKQDLAAGMPVRLLADVTHLLLKAMEHFPN
 HQQLQKNCLLSLCSDRILQDVPFNRFEAAKLV MWLCNHEDQNMQRMAVAIISILA AKLSTEQTAQLGTE
 LFIVRQLLQIVKQKTNQNSVDTTLKFTLSALWNL TDESPTTCRHF IENQGLELFMRVLESFPTESSIQQK
 VLGLLN NIAEVQELHSELMWKDFIDHISLLHSVEVEVS YFAAGIIAHLISRGEQAWTLRSQRNSLLDD
 LHSAILKWPTPECEMVAYRSFNPFFPLLCFTTPGVQLWAVWAMQHVC SKNPSRYCSMLIEEGGLQHLYN
 IKDHEHTDPHVQQIAVAILDSEKHI VRHGRPPPCKKQPQARLN

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_024646

ORF Size: 2232 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_024646.3](#)

RefSeq Size: 6404 bp

RefSeq ORF: 2235 bp

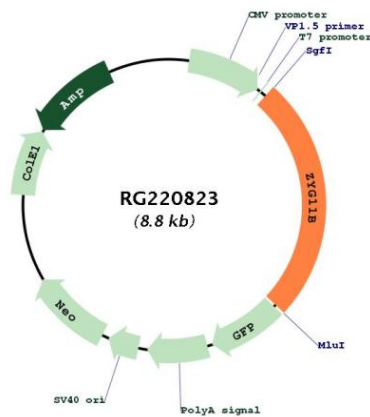
Locus ID: 79699

UniProt ID: [Q9C0D3](#)

Cytogenetics: 1p32.3

Gene Summary: Probably acts as target recruitment subunit in the E3 ubiquitin ligase complex ZYG11B-CUL2-Elongin BC.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG220823