

## Product datasheet for **RG213612**

### GLB1L (NM\_024506) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GLB1L (NM_024506) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GLB1L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG213612 representing NM\_024506  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTCCAAGAAGCTGTCCTGCCTTCGTTCCCTGCTGCTGCCGCTCAGCCTGACGCTACTGCTGCCCC  
 AGGCAGACACTCGGTCGTTTCGTAGTGGATAGGGGTCATGACCGGTTTCTCCTAGACGGGGCCCCGTTCCG  
 CTATGTGTCTGGCAGCCTGCACTACTTTTCGGGTACCGCGGGTGTCTTGGGCCGACCGGCTTTTGAAGATG  
 CGATGGAGCGGCCTCAACGCCATACAGTTTTATGTGCCCTGGAACACCACGAGCCACAGCCTGGGGTCT  
 ATAACTTTAAATGGCAGCCGGGACCTCATTGCCTTTCTGAATGAGGCAGCTCTAGCGAACCTGTTGGTCAT  
 ACTGAGACCAGGACCTTACATCTGTGCAGAGTGGGAGATGGGGGGTCTCCCATCTGGTTGCTTCGAAAA  
 CCTGAAATTCATCTAAGAACCTCAGATCCAGACTTCCTTGCCGAGTGGACTCCTGGTTCAAGGCTTTGC  
 TGCCCAAGATATATCCATGGCTTTATCACAATGGGGGCAACATCATTAGCATTAGGTTGAGAATGAATA  
 TGGTAGCTACAGAGCCTGTGACTTCAGTACATGAGGCACCTGGCTGGGCTCTTCCGTGACTGCTAGGA  
 GAAAAGATCTTGCTCTTACCACAGATGGGCCTGAAGGACTCAAGTGTGGCTCCCTCCGGGGACTCTATA  
 CCACTGTAGATTTTGGCCAGCTGACAACATGACCAAAATCTTTACCCTGCTTCGGAAGTATGAACCCCA  
 TGGGCCATTGGTAAACTCTGAGTACTACACAGGCTGGCTGGATTACTGGGGCCAGAATCACTCCACACGG  
 TCTGTGTCAGCTGAACCAAGGACTAGAGAACATGCTCAAGTTGGGAGCCAGTGTGAACATGTACATGT  
 TCCATGGAGGTACCAACTTTGGATATTGGAATGGTGCCGATAAGAAGGGACGCTTCTTCCGATTACTAC  
 CAGCTATGACTATGATGCACCTATATCTGAAGCAGGGGACCCACACCTAAGCTTTTTGCTCTTCGAGAT  
 GTCATCAGCAAGTCCAGGAAGTTCCTTGGGACCTTACCTCCCCGAGCCCAAGATGATGCTTGGAC  
 CTGTGACTCTGCACCTGGTTGGCATTACTGGCTTTCTAGACTTGCTTTGCCCGTGGGCCATTCA  
 TTCAATCTTGCCAATGACCTTTGAGGCTGTCAAGCAGGACCATGGCTTCATGTTGTACCGAACCTATATG  
 ACCCATACCATTTTGGCCAAACACCATTTCTGGGTGCCAAATAATGGAGTCCATGACCGTGCCTATGTGA  
 TGGTGGATGGGGTGTCCAGGGTGTGGAGCGAAATATGAGAGACAAACTATTTTTGACGGGGAAACT  
 GGGGTCCAAACTGGATATCTTGGTGGAGAACATGGGGAGGCTCAGCTTTGGGTCTAACAGCAGTACTTC  
 AAGGGCTGTGGAAGCCACCAATTCTGGGGCAAACAATCCTTACCAGTGGATGATGTTCCCTCTGAAAA  
 TTGATAACCTTGTGAAGTGGTGGTTTCCCTCCAGTTGCCAAAATGGCCATATCCTCAAGCTCCTCTGG  
 CCCCACATTCTACTCCAAAACATTTCCAATTTTAGGCTCAGTTGGGGACACATTTCTATATCTACCTGGA  
 TGGACCAAGGGCCAAGTCTGGATCAATGGGTTAACTTGGCCGGTACTGGACAAAGCAGGGGCCACAAC  
 AGACCCTCTACGTGCCAAGATTCCTGCTGTTTCTAGGGGAGCCCTCAACAAAATTACATTGCTGGAAC  
 AGAAGATGTACCTCTCCAGCCCCAAGTCCAATTTTGGATAAGCCTATCCTCAATAGCACTAGTACTTTG  
 CACAGGACACATATCAATTCCTTTTCAGCTGATACACTGAGTGCCTCTGAACCAATGGAGTTAAGTGGGC  
 AC

**ACGCGT**ACGCGGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG213612 representing NM\_024506  
Red=Cloning site Green=Tags(s)

```
MAPKKLSCLRSLLLPLSLTLLLQADTRSFVDRGHDRFLLDGAPFRYVSGSLHYFRVPRVLWADRLKMK
RWSGLNAIQFYVPWNYHEPQPGVYNFNNGSRDLIAFLNEAALANLLVILRPGPYICAEWEMGGLPSWLLRK
PEIHLRTSDPDFLAAVDSWFKVLLPKIYPWLYHNGGNIISIQVENEYGSYRACDFSYMRHLAGLFRALLG
EKILLFTTDGPEGLKCGSLRGLYTTVDFGPADNMTKIFTLRLKYEHPHGLVNSEYTGWLDYWGQNHSTR
SVSAVTKLENMLKLGASVNMFMFHGGTNFGYWNGADKKGRFLPITTSYDYDAPISEAGDPTPKLFLALRD
VISKFQEVPLGLPPSPKMMLGPVTLHLVGHLLAFLDLLCPRGPIHSILPMTFEAVKQDHGFMLYRTYM
THTIFEPTPFVWPNGVHDRAYVMVDGVFQGVVERNMRDKLFLTGKLGSKLDILVENMGRLSFGSNSDF
KGLLKPPILGQITLQWMMFPLKIDNLVKKWFPLQLPKWPYPQAPSGPTFYSKTFPILGVSVDFTFLYLP
WTKGQVWINGFNLGRYWKQGPQQLYVPRFLFPRGALNKITLLELEDVPLQPQVQFLDKPILNSTSTL
HRTHINSLSADTLSASEPMELSGH
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_024506

**ORF Size:** 1962 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\\_024506.5](#)

**RefSeq Size:** 2698 bp

**RefSeq ORF:** 1965 bp

**Locus ID:** 79411

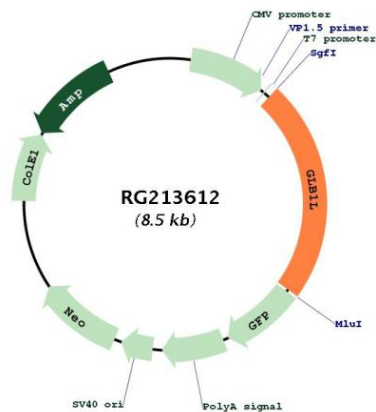
**UniProt ID:** [Q6UWU2](#)

**Cytogenetics:** 2q35

**Domains:** Glyco\_hydro\_35

**Gene Summary:** Probable glycosyl hydrolase.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RG213612