

## Product datasheet for **RC238913**

### **GLB1L (NM\_001286427) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	GLB1L (NM_001286427) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GLB1L
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RC238913 representing NM\_001286427  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCTCCAAGAAGCTGTCCTGCCTTCGTTCCCTGCTGCTGCCGCTCAGCCTGACGCTACTGCTGCCCC  
 AGGCAGACACTCGGTCGTTTCGTAGTGGATAGGGGTCATGACCGGTTTCTCCTAGACGGGGCCCCGTTCCG  
 CTATGTGTCTGGCAGCCTGCACTACTTTTCGGGTACCGCGGGTGTCTTGGGCCGACCGCTTTTGAAGATG  
 CGATGGAGCGGCCTCAACGCCATACAGTTTTATGTGCCCTGGAACACCACGAGCCACAGCCTGGGGTCT  
 ATAACTTAATGGCAGCCGGGACCTCATTGCCTTTCTGAATGAGGCAGCTCTAGCGAACCTGTTGGTCAT  
 ACTGAGACCAGGACCTTACATCTGTGCAGAGTGGGAGATGGGGGTCTCCCATCTGTTGCTTCGAAAA  
 CCTGAAATTCATCTAAGAACCTCAGATCCAGCTGACAACATGACCAAAATCTTACCTGCTTCGGAAAT  
 ATGAACCCATGGGCCATTGGTAACTCTGAGTACTACACAGGCTGGCTGGATTACTGGGCCAGAATCA  
 CTCACACGGTCTGTGTCAGCTGTAACCAAAGGACTAGAGAACATGCTCAAGTTGGGAGCCAGTGTGAAC  
 ATGTACATGTTCCATGGAGGTACCAACTTTGGATATTGGAATGGTGCCGATAAGAAGGGACGCTTCTTTC  
 CGATTACTACCAGCTATGACTATGATGCACCTATATCTGAAGCAGGGGACCCACACCTAAGCTTTTTGC  
 TCTTCGAGATGTCATCAGCAAGTTCAGGAAGTTCCTTTGGGACCTTTACCTCCCCGAGCCCCAAGATG  
 ATGCTTGGACCTGTGACTCTGCACCTGGTTGGGCATTTACTGGCTTTCCTAGACTTGCTTTGCCCCCGTG  
 GGCCATTCAATCAATCTTGCCAATGACCTTTGAGGCTGTCAAGCAGGACCATGGCTTTCATGTTGTACCG  
 AACCTATATGACCATACCAATTTTGGCCAACACCATTCTGGGTGCCAAATAATGGAGTCCATGACCGT  
 GCCTATGTGATGGTGGATGGGGTGTCCAGGGTGTGTGGAGCGAAATATGAGAGACAAACTATTTTTGA  
 CGGGGAAACTGGGGTCCAACTGGATATCTTGGTGGAGAACATGGGGAGGCTCAGCTTTGGGTCTAACAG  
 CAGTGACTTCAAGGGCCTGTTGAAGCCACCAATCTGGGGCAAACAATCCTTACCCAGTGGATGATGTTTC  
 CCTCTGAAAATTGATAACCTTGTGAAGTGGTGGTTTTCCCTCCAGTTGCCAAAATGGCCATATCCTCAAG  
 CTCCTTCTGGCCCCACATTCTACTCCAAAACATTTCCAATTTTAGGCTCAGTTGGGGACACATTTCTATA  
 TCTACCTGGATGGACCAAGGGCCAAGTCTGGATCAATGGGTTTAACTGGGCCGGTACTGGACAAAGCAG  
 GGGCCACAACAGACCCTTACGTGCAAGATTCTGCTGTTTCTAGGGGAGCCCTCAACAAAATTACAT  
 TGCTGGAAGTGAAGATGTACCTCTCCAGCCCCAAGTCCAATTTTGGATAAGCCTATCCTCAATAGCAC  
 TAGTACTTTGCACAGGACACATATCAATTCCTTTCAGCTGATACACTGAGTGCCTCTGAACCAATGGAG  
 TTAAGTGGGCAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC238913 representing NM\_001286427  
 Red=Cloning site Green=Tags(s)

MAPKKLSCLRSLLLPLSLTLLLPQADTRSFVDRGHDRFLLDGAPFRYVSGSLHYFRVPRVLWADRLLKM  
 RWSGLNAIQFYVPWNYHEPQPGVYNFNRSRDLIAFLNEAALANLLVILRPGPYICAEMWGLPSWLLRK  
 PEIHLRTSDPADNMTKIFTLRLKYEPHGPLVNSEYYTGWLDYWGQNHSTRSVSAVTKLENMLKLGASVN  
 MYMFHGGTNFGYWNAGDKKGRFLPITTSYDYDAPISEAGDPTPKLFALRDVISKFQEVPLGPLPPSPKM  
 MLGPVTLHLVGHLLAFLDLLCPRGPIHSILPMTFEAVKQDHGFMLYRTYMTHTIFEPTPFVWPNNGVHDR  
 AYMVDGVFQGVVERNMRDKLFLTGKLGSKLDILVENMGRLSFGSNSSDFKLLKPPILGQITLTQWMMF  
 PLKIDNLVKWWFPLQLPKWPYPQAPSGPTFYSKTFPILGVSVDGTFLYLPGWTKGQVWINGFNLGRYWTQ  
 GPQQTLYVPRFLLFPRGALNKITLLELEDVPLQPQVQFLDKPILNSTSTLHRTHINLSADTLSASEPME  
 LSGH

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

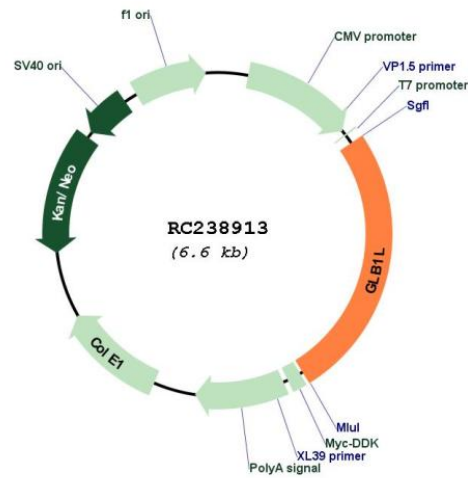
Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:

NM\_001286427

<b>ORF Size:</b>	1692 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001286427.1</a> , <a href="#">NP_001273356.1</a>
<b>RefSeq Size:</b>	2227 bp
<b>RefSeq ORF:</b>	1695 bp
<b>Locus ID:</b>	79411
<b>Cytogenetics:</b>	2q35
<b>MW:</b>	64.5 kDa
<b>Gene Summary:</b>	Probable glycosyl hydrolase.[UniProtKB/Swiss-Prot Function]