

## Product datasheet for MR211754

### Glg1 (NM\_009149) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Glg1 (NM_009149) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Glg1
Synonyms:	A1593353; AW537898; CFR; CFR-1; ESL-1; MG-160; MG160; Selel
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211754 representing NM_009149 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGTGTGTGGACGTGTACGGGGATGTTCCGCTTGTGGCGCGGTTGCCGCTGCTGCTCGCGG  
CAGCAGGGGCCAGAATGGTCACGGTCAGGGCCAGGGTCCGGGGACCAACTTTGGGCCCTCCAGGGCA  
AGGTGGAGGGCGCAGCCCGCCGCCAACAGCCGCTCAGCAGCCTCAGTTATCGCAGCAGCAGCAGCAG  
CCGCCGCTCAGCAGCAGCAGCAACAGCAGCAGTCGCTTTTCGGCGGGCGGGCTCCCGCCCGGC  
GGGGCGGAGCGGGGCCCGGTGGGACTGGCGGAGGCTGGAAGCTGGCGGAGGAAGAGTCCTGCCGGAGGA  
CGTGACCCGTGTGTGCCCAAACACACCTGGAGCAACAACCTGGCGGTGCTCGAGTGCCTGCAGGACGTG  
AGGGAGCCCGAGAACGAGATTTCTCAGACTGCAATCATTGTTGTGGAATTACAAGCTGAACCTGACTA  
CTGATCCCAAATTTGAATCTGTGGCCAGGGAGGTTTGAAGTCAACTATTTCCGAGATTAAGAATGTGC  
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GCAGACTACCGCATTGATCGAGCTTTGAATGAAGCTTGTGAGTCTGTAATACAGACAGCCTGCAAACACA  
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR211754 representing NM\_009149  
 Red=Cloning site Green=Tags(s)

MAVCGRVRGMFRLSAALPLLLLAAAGAQNHGQGGQPGTNGPFPGGGGGSPAGQQPPQQPQLSQQQQQ  
 PPPQQQQQQQSLFAAGGLPARRGGAGPGGTGGGWKLAEESCREDEVTRVCPKHTWSNNLAVLECLQDV  
 REPENESSDCNHLWNYKLNLTDPKFESVAREVCKSTISEIKECAEEPVGKGYMVSCLVDHRGNITEY  
 QCHQYITKMTAIIIFSDYRLICGFMDDCKNDINLLKCGSIRLGEKDAHSQGEVVSCLKGLVKEAEEKEPK  
 IQVSELCKKAILRVAELSSDDFHLDRHLYFACRDDRERFCENTQAGEGRVYKCLFNHKFEESMSEKCREA  
 LTTRQKLI AQDYKVSYSLAKSCKSDLKKYRCNVENLPRSREARLSYLLMCLES AVHRGRQVSSECQGEML  
 DYRRMLMEDFSLSPEIILSCRGEIEHHC SGLHRKGRTHLHCLMKVVRGEKGNLGMNCQQALQTLIQETDPG  
 ADYRIDRALNEACESVIQTACKHIRSGDPMILSCLMEHLYTEKMVEDCEHRLLELQYFISRDKLDPVLY  
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 LQDKCLIDLGKWCSEKTETGQELECLQDHLDDLAVECRDIVGNL TELESEDIQIEALLMRACEPIIQNFC  
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 PKCKQMITKRQITQNTDYRLNPVLRKACKADIPKFCHGILTAKADDSELEGQVISCLKLYADQRLSSDC  
 EDQIRII IQESALDYRLDPLQLHCSDEIANLCAEAAAQEQTGQVEECLKVNLLKIKTELCKKEVLNML  
 KESKADIFVDPVLHTACALDIKHHCAAITPGRGRQMSCLMEALEDKRVRLQPECKRRLNDR IEMWSYAAK  
 VAPADGFSLAMQVMTSPSKNYILSVISGSICILFLIGLMCGRITKRVTRRELKDR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9011\\_g03.zip](https://cdn.origene.com/chromatograms/mm9011_g03.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

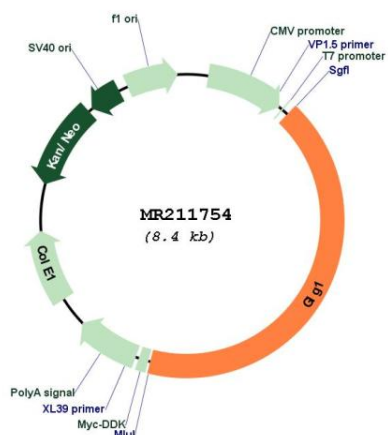


**ACCN:** NM\_009149

**ORF Size:** 3525 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_009149.3</a>
<b>RefSeq Size:</b>	3880 bp
<b>RefSeq ORF:</b>	3528 bp
<b>Locus ID:</b>	20340
<b>UniProt ID:</b>	<a href="#">Q61543</a>
<b>Cytogenetics:</b>	8 57.98 cM
<b>MW:</b>	134.2 kDa
<b>Gene Summary:</b>	Binds fibroblast growth factor (By similarity). Binds E-selectin (cell-adhesion lectin on endothelial cells mediating the binding of neutrophils).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211754