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Product datasheet for MG211754

Glg1 (NM_009149) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Glg1 (NM_009149) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Glg1
Synonyms:	AI593353; AW537898; CFR; CFR-1; ESL-1; MG-160; MG160; Selel
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>MG211754 representing NM_009149
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGTGTGTGGACGTGTACGGGGGATGTTCCGCTTGTCGGCGGCGTTGCCGCTGCTGCTGCTCGCGG
CAGCAGGGGCCCAGAATGGTCACGGTCAGGGCCAGGGTCCGGGGACCAACTTTGGGCCCTTCCCAGGGCA
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AGTGACACGAGAGCTGAAGGACAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG211754 representing NM_009149
Red=Cloning site Green=Tags(s)

MAVCGRVRGMFRLSAALPLLLLAAAGAQNGHGQGQGPGTNFGPFPGQGGGGSPAGQQPPQQPQLSQQQQQ
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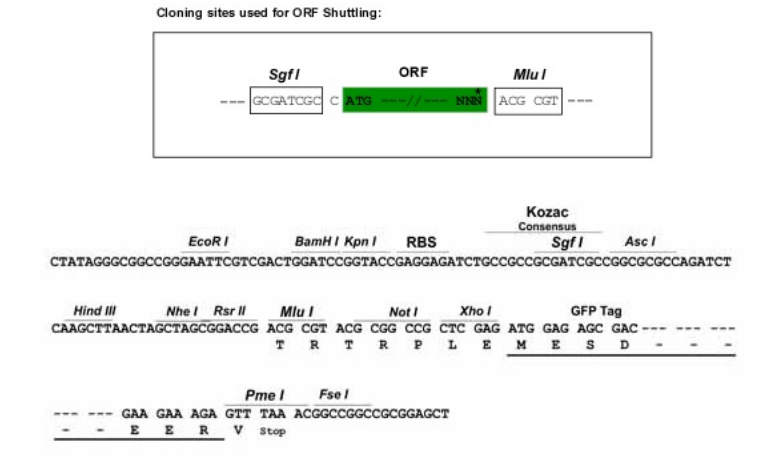
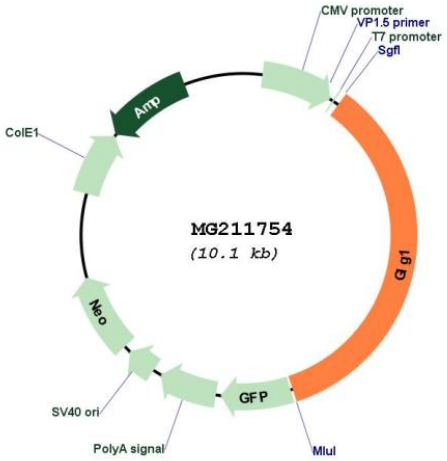
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_009149
ORF Size:	3525 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_009149.3
RefSeq Size:	3880 bp
RefSeq ORF:	3528 bp
Locus ID:	20340
UniProt ID:	Q61543
Cytogenetics:	8 57.98 cM

Gene Summary: Binds fibroblast growth factor (By similarity). Binds E-selectin (cell-adhesion lectin on endothelial cells mediating the binding of neutrophils).[UniProtKB/Swiss-Prot Function]