

## Product datasheet for **MG208674**

### **Rps6kl1 (NM\_146244) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rps6kl1 (NM_146244) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rps6kl1
Synonyms:	A830084F09Rik; AW046440
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG208674 representing NM\_146244  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGCCTGGTAGCCTGTGAATGTCCACCTGGACCAGGCCTGGAGCCAGAGCCCTGTTCACGAGCACGGT  
 CCCAGGCCTGCATGTACCTGGAACAGATTCGTAACCGGGTAGCTACAGGGACAGCCGATGTGACCAAACG  
 TGACTACCTGGTAGATGCAGCTACACAGATCCACCTGGCACTGGAGCGAGATGTCAGTGAAGACTACGAG  
 GCTGCCTTCAACCACTACCAGAATGGTGTGGACGTGCTACTCCGCGGTGTGCATGTTGACCCCAACAAGG  
 AGAGGCGTGAAGCTGTGAAGCTGAAAATTACCAAGTACCTACGGAGGGCAGAGGAGATCTTCAACTGCCA  
 CCTGCAGCGGACCCTGGGCACTGGAGCCAGTCCCAACACGGGCTTCAGCAGCTTGAGGCTCCGGCCCATC  
 CGCACACTGAGCTCTGCTCTGGAGCAGCTGAAGGGATGCAGGGTCTTGGCATCATCAAGAAGGTGCAGG  
 TGGTTCAGGACCCGGCAACTGGAGGAACCTTCATCGTGAAGAGCCTCCCCAGGTGTACATGGTGCAGCCG  
 GGAGCGGTGACGATCATCCACATGGCGTCCCCTACATGACAAAATTGTTGCGATACTTCTGTGAGCGAG  
 GACTCCATCTTCCCTGCACCTGGAGCATGTGCAAGGAGGCACCCTTGGTACATCTACTCTCCAGGACC  
 ATTTTCAATACTCTGGGCTTAACTCTGGCTCGGTTCAAGGAGAAGTCGCAAGCCCAACTCAGCACCCGCT  
 CAGCCTCATGACCCAGCGGAGCTCACACCAGGCCATACCCTGAGGCAGAACAGAATCCCAATGGAGCCT  
 CCACGGACTTCCCAGAGCCTACCCAGCCCTCCAGCTTCAGAAAAGAGCCGATGCTGAGCCTTCATCCA  
 GGCCCACTGCTGTCTTCTTTCAGACCCACAGAGGCCCGTGTGGCCACTCGCACAGTCAAGTTAGGCG  
 AGCTGGCCAGAGTTGAAACCCAGCACCCACGCAGAGGCTCCACTGGGTACGAGAAGGGGCTGACCCGGTG  
 CTAGGACCTATGGCCGAGGCAGGGTTCGAAACCCCATCAGCAAACAGGGCCAGCCTGGGGAGCGGAA  
 GAGCTGCCTGGAGCCTGAGGGAGGACAGGTGAAGCAGTGGCAGCTGAGATGCTGCTGGCATTAGAGGC  
 GCTGCATCAGCAGGGGGTGTGTGCCGGGACTCAACCCACAGAACCTGCTCCTGGACCAGGCAGGTCAC  
 ATCCAACCTCACGTATTTTGGCCAGTGGTCAAGAAGTGGAGCCGCGATGCAGCCAGGAGGCCGTGGACTGTC  
 TGTACAGTGTCCAGAGGTTGGGGCATTCTGAGCTGACTGAAGCCTGTGACTGGTGGAGCTATGGCTC  
 ACTCCTGTATGAACTGCTCACAGGAATGGCACTGTCCCAGAGCCACCCTTCAAGATTCCAGGCCACACC  
 CAACTCCAGCTGCCTGAGTGGCTTAGTCACCCAGCAGCTTCTCTGCTAACTGAGCTGCTGCAGTTTGCAG  
 CCCAGCGCGCCTAGGAGCTGGAGGTGGTGGCACCAGCAGACTCAAGTCCCATCCCTTTTCAGTACTAT  
 CCAGTGGAGCCGGCTAATGGGG

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>MG208674 representing NM\_146244  
 Red=Cloning site Green=Tags(s)

MSLVACECPPPGLEPEPCSRARSQACMYLEQIRNRVATGTADVTKRDYLVDAATQIHLALERDVSSEDYE  
 AAFNHYQNGVDVLLRGVHVDPNKERREAVLKITKYLRRAEEIFNCHLQRTLGSAGSPNTGFSSLRRLRPI  
 RTLSSALEQLKGCRRVVGIIKKVQVVDPATGGTFIVKSLPRCHMVSRRERTIIPHGVPMYTKLLRYFVSE  
 DSIFLHLEHVQGGTLWSHLLSQDHFQYSLNSGVSQEKSAQLSTRLSLMTPAELTPGHTRQNRIPMEP  
 PRTSQSLPPALQLQKEADAEPSSRPSAVFSSDPTAEPGSHSQVRRAGQSSNPAPTQRLHVVREGADR  
 LGAYGRGRNPPSANRASLGSRAAWSLREGQVKQWAAEMLLALEALHQQGVLCRDLNPQNLDDQAGH  
 IQLTYFGQWSEVEPRCSQEAVDCLYSAPEVGGISEL TEACDWWSYGSLL YELLTGMALSQSHPSGFQAHT  
 QLQLPEWLSHPAASLL TELLQFEPQRRLGAGGGTSRLKSHPPFFSTIQWSRLMG

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

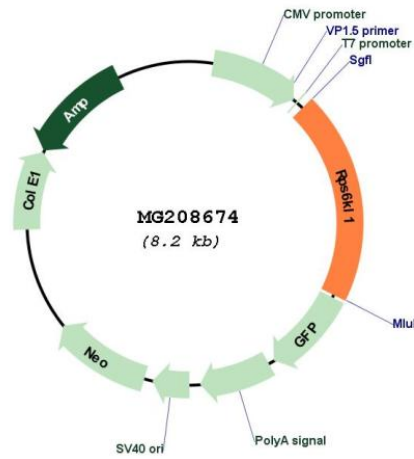
Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN:	NM_146244
ORF Size:	1632 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. <a href="#">More info</a>
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:	<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>
RefSeq:	<a href="#">NM_146244.4</a> , <a href="#">NP_666356.2</a>
RefSeq Size:	2534 bp
RefSeq ORF:	1635 bp
Locus ID:	238323
UniProt ID:	<a href="#">Q8R2S1</a>
Cytogenetics:	12 D1