

## Product datasheet for **MG208727**

### **Clec4f (NM\_016751) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Clec4f (NM_016751) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Clec4f
Synonyms:	Clecsf13; D18063; Kclr; KUCR_MOUSE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG208727 representing NM\_016751  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAAGGAGGCCGAGCTGAACAGAGATATGGCTAGATATTGCACAGACAACCAGTGTGTCTCCCTACAGC  
 CCCAAGGACTGGGCCTAAGTCAGCTGCTCTCATGGCTCCCAGGACCCTGCGGCACGTCCAGGTCATTCT  
 GGCATTAATGGTGGTACTGTGATCTTTTCTCTCCTTGCTCTTTTGTGGTGGCTTCACAGCCTTGAGA  
 CCTGAGTGAATAAAGAGCCTCCCTCCCTCCTGCTTCGGGGAAGCAACAACCTCTGGACACGACAATCATT  
 CCCAATTTGTCAGGGAGACAGAAATGCAAGTGGCTATCCAGAGGCTTAGGGACTATGAGGAGAATTCTAG  
 CAGCTGTCACAAGGAGGTACAGATACTGAAGTACCAATGGACAATGTTAGTTCTCTGGTGCAGTTGCTT  
 GGGAGCCATCTAGAGGATGTGAATGCTGACATCCTGCAGACAAAAGATGTGCTGAAGGAATCTGGAGCCT  
 TGGCTTTGGAGACCCAGGCGCTGAGAAGCTCCTTGGAGGTGCCAGTGTGATATCCATAGTCTGAGAGG  
 AGATTTGAAAAGGCAAACGCTATGACTTCCCAGACCCGAGGTCTTTAAAGAGCAGCACAGAAAACACC  
 AGTGCTGAGCTCCACGTGCTGGCAGAGGCCTGGAGGAAGCCAGTCTGAGATCCAGGCGTTGAGGGGAA  
 GTCTGCAGAGTGCAAATGACCTCAGCTCCCAGACCCAGGGCTTTCTCAGCACAGTATGGACAACATTAG  
 TGCTCAGATCCAGACCGTGAAGATGGTATGAAAAGGGCTGGTAAAAGATGAACTCGTTAAAGAAAAGAG  
 CTGGAAACACTCACTGCTCAGACTCAAAAGGCAAATGGCCACCTGGAGCAGACAGATGCCAGATCCAGG  
 GCTTAAAAGCTGAGCTGAAAAGCACCAGTTCCTTGAACCTCCGGATTGAGGTGGTCAATGGCCAAATGAA  
 AGATGCCAGCAGAGGTTACAGACCCTGAGAAGGGACCTGAGTGTGCTCAGCTTTGAAGTCCAATGTC  
 CAGATGCTACAGAGCAATCTTCAGAGGGCAAGACAGAGATGCAGACTTTGAAGGCAGATCTGCAGGCGA  
 CCAAAGCCCTCACTGCCAAGATTCAGGGGAGCAGAATCGCCTGGGGGCCCTGCAGGAAGCCGTGGCTGC  
 ACAGAAGCAGGAGCAGAAGACTCAGAATCAGTTCTCCAGCTGATCGCGCAGAAGTGAAGTACTTCAAT  
 GAAAACTTTTATTACTTTCTCGTGACAAGAAGCCGTGGCGGGAGGCTGAGAAGTTCTGTACGCTCCAGG  
 GAGCGCACCTGGCTTCGGTGACCTCTCAGGAGGAACAGGCATTCTGGTACAGACTACAAGTTCTGGGGA  
 CCATTGGATTGGGCTCACTGACCAGGGCACAGAGGGCATCTGGCGCTGGGTAGATGGGACACCATTCAAC  
 AATGCCAGAGCAAAGGGTTTTGGGGGAAAAATCAGCCTGACAACCTGGAGACATAGGAACGGAGAGCGAG  
 AAGACTGTGTTACGTCGGCAGCAGTGAATGACATGGCCTGTGGATCCTCCTACCCTGGGTGTGCAA  
 GAAGTCCACAGGGTGGTCTCGGCCAGAGTAGGC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG208727 representing NM\_016751  
 Red=Cloning site Green=Tags(s)

MKEAELNRDMARYCTDNQCIVSLQPQGLGPKSAALMAPRTL RHVQVILALMVVTVIFSL LALFVVASQPWR  
 PEWNKEPPSL L LRGSNNSGHDNHSQFVRETEMQVAIQRLRDYEENSSSCHKEVQILKYQMDNVSSLVQLL  
 GSHLEDVNADILQTKDVLKESGALALETQALRSSLEVASADIHSLRGDLEKANAMTSQTRGLLKSSTENT  
 SAELHVLGRGLEEAQSEIQALRGSLQSANDLSSQTQGF LQHSMDNISAQIQTVRDGMERAGEKMNSLKKE  
 LETLTAQTQKANGHLEQTDAQIQGLKAE LKSTSSLNSRIEVVNGQMKDASRELQTLRRDLSDVSALKSNV  
 QMLQSNLQRAKTEMQTLKADLQATKALTAQIQGEQNR L GALQEAVAAQKQEKTQNVQLQLIAQNWKYFN  
 GNFYFYSRDKKPWREA EK FCTSQGAHLASVTSQEEQAF LVQTTSSGDHWIGLTDQGT EGIWRVWDGTFPN  
 NAQSKGFWGKNQPDNWRHRNGEREDCVHVRQ QWNDMACGSSYPWVCKKSTGWSAARVG

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

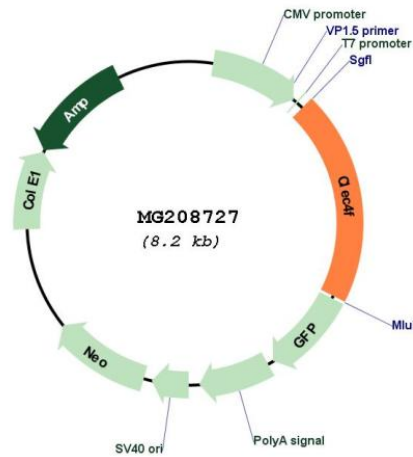
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



<b>ACCN:</b>	NM_016751
<b>ORF Size:</b>	1644 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_016751.2</a> , <a href="#">NP_058031.2</a>
<b>RefSeq Size:</b>	2402 bp
<b>RefSeq ORF:</b>	1647 bp
<b>Locus ID:</b>	51811
<b>UniProt ID:</b>	<a href="#">P70194</a>
<b>Cytogenetics:</b>	6 C3
<b>Gene Summary:</b>	Receptor with an affinity for galactose and fucose. Could be involved in endocytosis. [UniProtKB/Swiss-Prot Function]