

## Product datasheet for **MG203539**

### Clec12a (NM\_177686) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Clec12a (NM_177686) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Clec12a
Synonyms:	CLL-1; D230024O04; KLRL1; Micl
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203539 representing NM_177686 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCTGAAGAAATTGTTTATGCAAATCTCAAAATCCAGGACCCTGATAAAAAAGAAGAAACCCAGAAGT  
CTGACAAATGTGGGGGAAAAGTATCCGCCGATGCTTCCATTACAGCAAAAAACAGTCTTGATTCTGAT  
TCTTCTATGCCTTCTGCTGTTTCATTGGAATGGGGTCTTAGGAGGCATCTTTTATACAACCTTGCCAACA  
GAAATGATAAAATCGAATCAATTGCAAAGGCCAAGGAAGAACTTCAGGAAAATGTTTTCTACAGCTGA  
AGCACAATCTCAACAGCTCCAAGAAAATCAAGAACCTTTCTGCCATGCTGCAAAGCACAGCCACCCAGCT  
GTGCCGAGAGCTGTATAGCAAAGAACCAGAGCACAAATGTAACCATGTCAAAGGGTTCAGAATGGTAC  
AAGGACAGCTGTTATTCTCAACTCAATCAGTATGGAACATGGCAAGAGAGTGTCATGGCCTGCTCTGCTC  
GGAATGCCAGCCTCCTGAAGTTAAGAACAAGGATGTGCTGGAATTTATAAAGTACAAGAAGCTACGCTA  
TTTTTGGCTTGCAATTGTTGCCAGAAAAGATCGCACACAATATCCACTAAGTGAGAAGATGTTTCTCTCT  
GAAGAGTCTGAAAGAAGCACAGATGACATAGATAAGAAGTACTGCGGATATATAGACAGGGTCAATGTTT  
ATTATACATACTGCACTGATGAGAACAATATCATATGTGAAGAGACAGCCAGCAAGGTGCAGTTGGAAG  
TGTGTTGAATGGCCTCCAGAGGATAGCAGG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >MG203539 representing NM\_177686  
 Red=Cloning site Green=Tags(s)

MSEEIVYANLKIQDPDKKEETQKSDKCGGKVSADASHSQKTVLILILLCLLLFIGMGVLGGIFYTTLAT  
 EMIKSNQLQRAKEELQENVFLQLKHNLSKKIKNLSAMLQSTATQLCRELYSKEPEHKCKPCPKGSEWY  
 KDSCYSQLNQYGTWQESVMACSARNASLLKVKNKDVLEFIKYKKLRYFWLALLPRKDRTOYPLSEKMFLS  
 EESERSTDDIDKKYCGYIDRVNYYTYCTDENNICETASKVQLESVLNGLPEDSR

TRTRPLE - GFP Tag - V

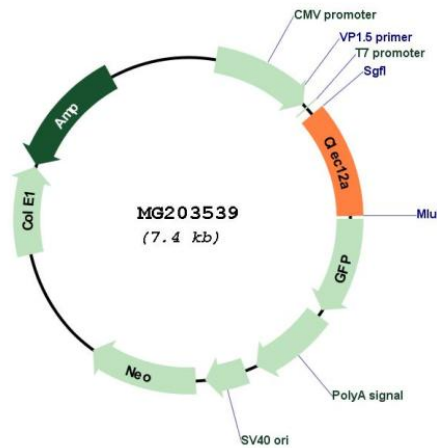
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_177686

**ORF Size:** 801 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_177686.3</a> , <a href="#">NP_808354.1</a>
<b>RefSeq Size:</b>	2180 bp
<b>RefSeq ORF:</b>	804 bp
<b>Locus ID:</b>	232413
<b>UniProt ID:</b>	<a href="#">Q504P2</a>
<b>Cytogenetics:</b>	6 F3
<b>Gene Summary:</b>	Cell surface receptor that modulates signaling cascades and mediates tyrosine phosphorylation of target MAP kinases.[UniProtKB/Swiss-Prot Function]