

## Product datasheet for **MG205410**

### Prr5l (NM\_175181) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Prr5l (NM_175181) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Prr5l
Synonyms:	2600010E01Rik; 4833411O04Rik; Protor-2; Protor2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205410 representing NM_175181 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGCTCCTCCCGCGCCTAGACCACGCTTTATGAGCTCCCCTGTGCTCAGCGAGCTGCCCGCTTCC  
AGGCTGCCCGCAGGCTCTGCAGCTAAGTTCCAACCTCGCTGGAACAGTGTGCAGACAGCTGTGATCAA  
CGTTTTCAAAGGGGGCGGCTTGCAGAGCAATGAGCTGTATGCACTGAACGAAAGCATCAGGCGGCTGCTG  
AAGAGTGAACCTGGATCATTACTGACTATTTCCAGAACCAGCTTCTGCAAAGGACTGTCCTTTG  
TGGAGGAGAAGATCAAGCTGTGTGAAGGTGACAATCGGATTGAGGTTCTGGCTGAAGTCTGGACCACTT  
CTTCACCGAGACTCTCCCTACCCTGCAGGCAATATTTATCCGGTTCAGGGACAGGAGCTGACCATCCGC  
CAGATCTCCCTGCTGGGCTTCCGGGACCTGGTCTTGTGAAGGTGAAGCTGGGTGACGTGCTGTTGG  
CACAGTCCAAGTTGCCTTCTTCTGTTATACAAATGCTGCTCATTCTGCAGAGTGTTCACGAGCCACAGG  
CCCAAGTGAGGGCTACTTGCAGCTGGAGGAGCTGGTGAAGCAAGTGGTGTCTCCCTTTCTCAGCATCAGC  
GGGACCCGAGCTGCTCAGGCCCCACTACTGGCCAGGAGGATTCCAGGGTCCGGCCCAAGGTGA  
CTGTCTGAACATGCCTCTCTGATGACCACGGTTGGCCGGCCACTGAACGAGATGGTCTTGACCCCTCT  
AACAGAACAGGAAGGGGAGGCATACCTGGAGAAGTGTGGCAGTGTCCGGCGGCACACAGTGGCCAACGCC  
CACTCAGACATCCAGCTGCTGGCGATGGCCACCATGATGCACTCAGGGTTGGGGAGGAGGCTGGCGGCG  
AGGACAAACACCTGCTCTTGCCACCCAGCTTCCCCCACCACAGCCAGTGTCCAGTGAACCCAGCAT  
CCTCGACAGCCCCGATGAACTGGAAGTGAAGACGTGGCAAGTGGCAGCCAGGAGGACTCAGAGCTGAAC  
TGTGCTCCCTCAGC

**ACGGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >MG205410 representing NM\_175181  
 Red=Cloning site Green=Tags(s)

MGSFRRPRPRFMSSPVLSELPRFQARQALQLSSNSAWNSVQTAVINVFKGGGLQSNELYALNESIRLL  
 KSELGSFITDYFQNLAKLSFVEEKIKLCEGDNRIEVLAEVWDHFFETLPTLQAIIFYPVQGQELTIR  
 QISLLGFRDLVLLKVKLGDVLLLAQSKLPSSVIQMLLILQSVHEPTGPSEGYLQLEELVKQVSPFLSIS  
 GDRSCSGPTYSLARRHSRVRPKVTVLNYASLMTTVGRPLNEMVL TPLTEQEGEAYLEKCGSVRRHTVANA  
 HSDIQLLAMATMMHSGLGEEAGGEDKHLILLPPSFPPHRQCSSEPSILDSPDELELEDVASGSQEDSELN  
 CASLS

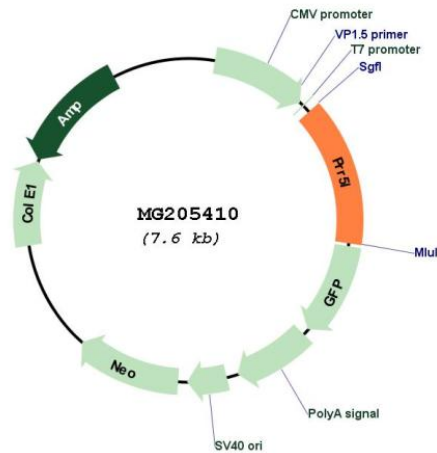
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_175181

<b>ORF Size:</b>	4242 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_175181.3</a>
<b>RefSeq Size:</b>	2207 bp
<b>RefSeq ORF:</b>	1113 bp
<b>Locus ID:</b>	72446
<b>UniProt ID:</b>	<a href="#">A2AVJ5</a>
<b>Cytogenetics:</b>	2 E2
<b>Gene Summary:</b>	Associates with the mTORC2 complex that regulates cellular processes including survival and organization of the cytoskeleton (By similarity). Regulates the activity of the mTORC2 complex in a substrate-specific manner preventing for instance the specific phosphorylation of PKCs and thereby controlling cell migration (PubMed:22609986). Plays a role in the stimulation of ZFP36-mediated mRNA decay of several ZFP36-associated mRNAs, such as TNF-alpha and GM-CSF, in response to stress. Required for ZFP36 localization to cytoplasmic stress granule (SG) and P-body (PB) in response to stress.[UniProtKB/Swiss-Prot Function]