

## Product datasheet for RN215491

### Prr5l (NM\_001080150) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Prr5l (NM_001080150) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Prr5l
Synonyms:	Protor-2; Protor2; RGD1309969
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN215491 representing NM_001080150 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACCCGCGCCTTGCTCCCCTCTGCCATTGAGTTCACAAGATGGGCTCCTCCGCCGGCCTAGAC  
CACGATTTATGAGCTCCCCTCTGCTCAGCGAGCTGCCCGCTTTCAGGCTGCCCGCAGGCTCTGCAACT  
AAGTTCCAACCTCAGCCTGGAACAGTGTGCAGACGGCTGTGATCAACGTTTTCAAAGGGGGCGCTTGCAG  
AGCAATGAGCTGTATGCACTGAACGAAAGCATCAGCGGGCTGCTGAAGAGTGAACCTGGATCGTTCATTA  
CTGACTACTTCCAGAACCAGCTTCTTGAAAAGGACTGTCCTTTGTGGAGGAGAAGATCAAGCAGTGTGA  
AGGTGACAATCGCATTGAGGTTCTGGCTGAAGTCTGGGACCACTTCTTACCAGAGACTCCCTACCCTG  
CAGGCAATATTTTATCCGGTTCAGGGACAGGAGCTGACCATCCGCCAGATCTCCCTGCTGGGCTTCCGGG  
ACCTGGTCTTGCTGAAGGTGAAGCTGGGTGACTTGCTGCTGTTGTACAGTCCAAGTTGCCTTCTCTGT  
TATACAGATGTTCTCATTCTGCAGAGTGTTCACGAGCCACAGGCCCAAGTGAGGGCTATTTGCAGCTG  
GAGGAGCTGGTGAAGCAAGTGGTGTCTCCCTTCTCGGCTCAGCGGGGACCGCAGCTGCTACGCCCA  
CACACTCACTGGCCAGGAGGCAATCCAGGTCGGCCCAAGGTGACCGTCTGAACTATGCCTCTCTGAT  
GACCACGGTTGGCCGGCCACTGAATGAGATGGTCTTGACCCCTTAACAGAACAGGAAGGAGAGGCATAC  
CTGGAGAAGTGTGCAGCTCCGGCGGCACACAGTGGCCAATGCCACTCGGACATCCAGCTGCTGGTA  
TGGCCACCATGATGCACTCAGGGTTGGGGGAGGAGTCTGGAAGCGAGGACAAACACCTGCTCCTGCCACC  
CACCTTCCACCACCACCCGCAATGCTCCAGTGAAGCCAGCATCCTTGATAGTCTGATGAAATGGAA  
CTGGAAGATGTAGCAAGTGGCAGCAAGAGGACTCAGAGCTGAATTGTGCTTCCCTCAGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI



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<b>ACCN:</b>	NM_001080150
<b>Insert Size:</b>	1113 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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>	<u><a href="#">NM_001080150.1</a></u> , <u><a href="#">NP_001073619.1</a></u>
<b>RefSeq Size:</b>	2466 bp
<b>RefSeq ORF:</b>	1113 bp
<b>Locus ID:</b>	362171
<b>UniProt ID:</b>	<u><a href="#">A1L1K1</a></u>
<b>Cytogenetics:</b>	3q31
<b>Gene Summary:</b>	Associates with the mTORC2 complex that regulates cellular processes including survival and organization of the cytoskeleton. 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. 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]