

## Product datasheet for **RC205593**

### IMP5 (SPPL2C) (NM\_175882) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	IMP5 (SPPL2C) (NM_175882) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	IMP5
Synonyms:	IMP5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide  
Sequence:**

>RC205593 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGTGCCTGGGCTTCTCCTCCCCGTGGGCTTCTCCTCCTCATCAGCACCGTGGCCGGGGAAAGT  
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 CATGTCGACCCAGGCTCCCTTG

**ACGCGT**ACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC205593 protein sequence  
Red=Cloning site Green=Tags(s)

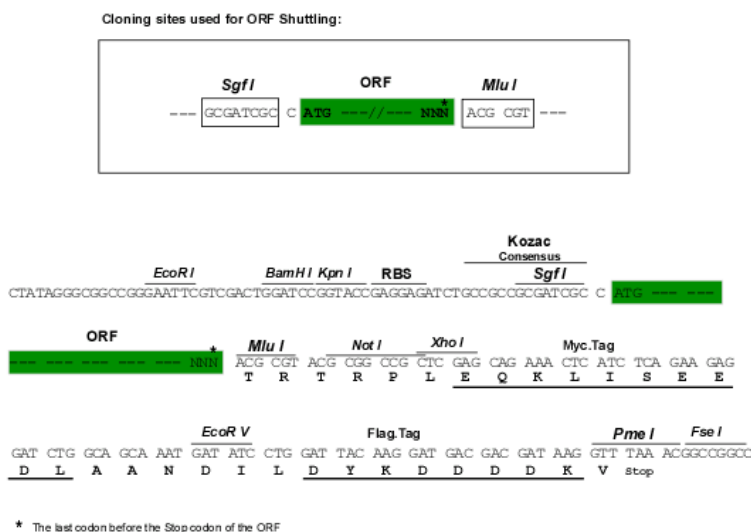
MACLGFLLPVGFLLL ISTVAGGKYGVAHVVSSENWSKDYICILFSSDYITLPRDLHHAPELLPLYDGTKAPWC  
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 TIGIFGLGAGIGLYSCLSPLVCHLSLRQYQRPPHSLWASLPLPLLLLASLCATVIIFWVAYRNEDRWAWL  
 LQDTLGISYCLFVLRVRLPTLKNCSFLLALLAFDVFFVFPFFTKTGESIMAQVALGPAESSHERL  
 PMVLKVPRLRVSALTLC SQPFSILGFGDIVVPGFLVAYCCRFDVQCSRQIYFVACTVAYAVGLLVTFMA  
 MYLMQMGQP ALLYLVSSTLLTSLAVAACRQELSLFWTGQGRAKMCGLGCAPSAGSRQKQEGAADAHTAST  
 LERGTSRGAGDLDSNPGEDTTEIVTISENEATNPEDRS DSSEGWSDAHLDPNELPFI PP GASEELVPLMP  
 MAMLIPLMPLMPPSELGHVHAQAQAHETGLPWAGLHKRKG LKVRKSMSTQAPL

TRTRPLEQKLISEEDLANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6002\\_h07.zip](https://cdn.origene.com/chromatograms/mk6002_h07.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



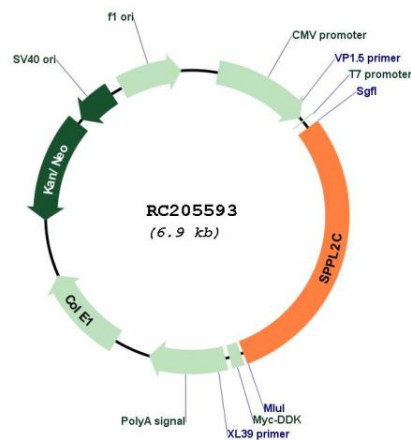
**ACCN:** NM\_175882

**ORF Size:** 2052 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. [More info](#)

**OTI Annotation:** 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>	<u><a href="#">NM_175882.3</a></u>
<b>RefSeq Size:</b>	2183 bp
<b>RefSeq ORF:</b>	2055 bp
<b>Locus ID:</b>	162540
<b>UniProt ID:</b>	<u><a href="#">Q8IUH8</a></u>
<b>Cytogenetics:</b>	17q21.31
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	74.5 kDa
<b>Gene Summary:</b>	Intramembrane-cleaving aspartic protease (I-CLiP) that may be able to cleave type II membrane signal peptides in the hydrophobic plane of the membrane.[UniProtKB/Swiss-Prot Function]

**Product images:**


Circular map for RC205593