

## Product datasheet for **MG221877**

### Ipcef1 (NM\_001170801) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ipcef1 (NM_001170801) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ipcef1
Synonyms:	A130090K04Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG221877 representing NM_001170801 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGTCGGAGAAGGATATCCTGTAAAGATCTGGGCCACGCTGACTGCCAGGGTTGGCTGTACAAGAAA  
AGGAAAAGGGAACCTTTCTAAGCAACAAATGGAAAAGTTCTGGGTGGTCTGAAGGGCTCATCGCTGTA  
TTGGTATAGCAATCAAATGGCAGAGAAAGCAGATGGATTTGTCAACCTTTCAGATTTACAGTGGAAAGA  
GCCTCTGAATGCAAGAAAAAATGCATTTAAGATCAATCACCCACAGATCAAAGCCTTCTACTTTGCAG  
CAGAGAATTTGCAGGAAATGAATGTGTGGTTAAACAAACTTGGATTTGCTGTGACCCACCAGGAATCCAT  
CACAAAGGATGAAGAATGTTACAGTGAGAGCGAGCAGGAAGATCCTGAAGTTGCCGTGGAGCACCACCC  
CCTCCGTATGCTTCCACAACCTCCTCCTGTGGTACGTGTTGATGCTGCACAGTGGGCATCTTCTTCTT  
CACCTAAACGGAGAGAAACATCATGTTCTTCTTCTTCTGAAAATACAGTAAAGGCACCCAGCCAGTT  
TTCTTCTCGGGATCTAAGAACGACAGTCTGGCACAACATAGTTAACAGCTCACCTGCTACTGAAGAT  
GCGGGCTTCCCCTCACATTTGCTGAGCAGGTCCACACTTGCCTTCTCAGAAGCAAGCAATTGCCAGG  
CCCAGAAAACAACCTGCATCACATCAGAAGGTGGTTTGTGAACCTGTTGCTAGTGATGACACTTCTTC  
ACTGAATAACAATAAAGACCATTAACAGTCCCAGACAGAGCTGCTGGATCAAGAATGGCAGACAGAGGT  
AAACCAGGAATTTGCTTACTCTTCTTAGATGGTGAATTTTGTGGGGCATTGTATAATTCTGATA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG221877 representing NM\_001170801  
 Red=Cloning site Green=Tags(s)

MSRRRISCKDLGHADCQGWLYKKKEKGTFLSNKWKKFWVVLKGSSELYWYSNQMAEKADGFVNLSDFTVER  
 ASECKKNFAKINHPQIKAFYFAENLQEMNVWLNKLGFAVTHQESITKDEECYSESEQEDPEVAVEAPP  
 PPYASTTSSPVVRVDAAQWASSSSPKRRETSCSFSSLENTVKAPSQFSSSGSKERQSWHNIWNSSPATED  
 AGLPLTFAEQVHTLAFSEASNCQAPENNCITSEGGLNLLSSDDTSSLNKKDHLTVPDRAAGSRMADRG  
 KPGICLLFLDGEYLLGHCIILI

TRTRPLE - GFP Tag - V

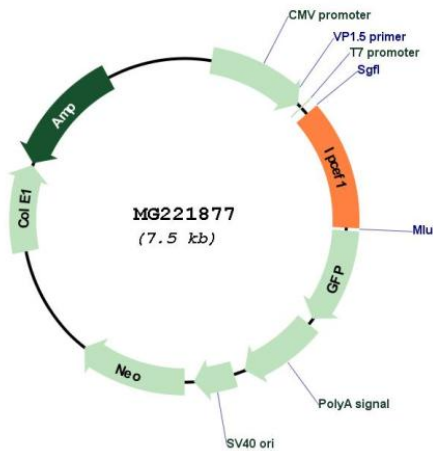
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_001170801

**ORF Size:** 906 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_001170801.1</a> , <a href="#">NP_001164272.1</a>
<b>RefSeq Size:</b>	3228 bp
<b>RefSeq ORF:</b>	909 bp
<b>Locus ID:</b>	320495
<b>Cytogenetics:</b>	10 A1
<b>Gene Summary:</b>	Enhances the promotion of guanine-nucleotide exchange by PSCD2 on ARF6 in a concentration-dependent manner.[UniProtKB/Swiss-Prot Function]