

Product datasheet for **MG221876**

Ipcef1 (NM_001170800) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ipcef1 (NM_001170800) 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:	>MG221876 representing NM_001170800 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTCGGAGAAGGATATCCTGTAAAGATCTGGGCCACGCTGACTGCCAGGGTTGGCTGTACAAGAAA
AGGAAAAGGGAACCTTTCTAAGCAACAAATGAAAAAGTTCTGGGTGGTCTGAAGGGCTCATCGCTGTA
TTGGTATAGCAATCAAATGGCAGAGAAAGCAGATGGATTTGTCAACCTTTAGATTTACAGTGGAAAGA
GCCTCTGAATGCAAGAAAAAATGCATTTAAGATCAATCACCCACAGATCAAAGCCTTCTACTTTGCAG
CAGAGAATTTGCAGGAAATGAATGTGTGGTTAAACAAACTTGGATTTGCTGTGACCCACCAGGAATCCAT
CACAAAGGATGAAGAATGTTACAGTGAGAGCGAGCAGGAAGATCCTGAAGTTGCCGTGGAGCACCACCC
CCTCCGTATGCTTCCACAACCTCCTCCTGTGGCTGCACAGTGGGCATCTTCTTCCACCTAAACGGA
GAGAAACATCATGTTCTTCTCTCTCTGGAAAATACAGTAAAGGCACCCAGCCAGTTTTCTTCTCGGG
ATCTAAAGAACGACAGTCTGGCACAACATAGTTAACAGCTCACCTGCTACTGAAGATGCGGGGCTTCCC
CTCACATTTGCTGAGCAGGTCCACACACTTGCCTTCTCAGAAGCAAGCAATTGCCAGGCCCCAGAAAACA
ACTGCATCACATCAGAAGGTGGTTTGTGAACTTGTGTCTAGTGATGACACTTCTCACTGAATAACAA
TAAAGACCATCTAACAGTCCCAGACAGAGCTGCTGGATCAAGAATGGCAGACAGAGAAGAAATAAATCA
TCTGAAGATGATGAGATGAAAAATTGTACAAATCACTGGAGCAGGCTAGCCTGTCTCTTGGGGACC
GGCGCCTTCAACCAAGAAGGAGCTGAGAAAGCTTTTGTGAAGCGATGCAAAAACCCATCGATAAACGA
GAAGTTGCACAAGATCAGAACCCTGAACAGCACATTAAGTGCAAGAACACGATTTGGCTATGATCAAC
CAGCTGCTGGATGATCCAAAGCTGACAGCCAGGAAGTACAGAGAGTGGAAGGTCATGAACACCCTGCTGA
TCCAGGACATCTATCAGCAGCAGGCACCTCAGGACCCTGAAGTACCCCTCAGGAAGTCATGAATCCAC
GTCTTCTGATTGTGTGAAAAATTCTCTT

ACGGTACGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG221876 representing NM_001170800
Red=Cloning site Green=Tags(s)

MSRRRISCKDLGHADCQGWLYKKKEKGTFLSNKWKFFWVVLKGSSELYWYSNQMAEKADGFVNLSDFTVER
 ASECKKNNAFKINHPQIKAFYFAENLQEMNVWLNKLGFAVTHQESITKDEECYSESEQEDPEVAVEAPP
 PPYASTTSSPVAQWASSSSPKRRETSCSFSSLENTVKAPSQFSSSGSKERQSWHNIVNSSPATDAGLP
 LTFAEQVHTLAFSEASNCQAPENNCITSEGLLNLLSSDDTSSLNNDKHLTVPDRAAGSRMADREEIKS
 SEDDEMEKLYKSLEQASLSPLGDRRPSTKKELRKSFVKRCKNPSINEKLHKIRTLNSTLKCKEHDLAMIN
 QLDDPKLTARKYREWKVMNTLLIQDIYQQAPQDPEVTPQEVVNPTSSDCVENS

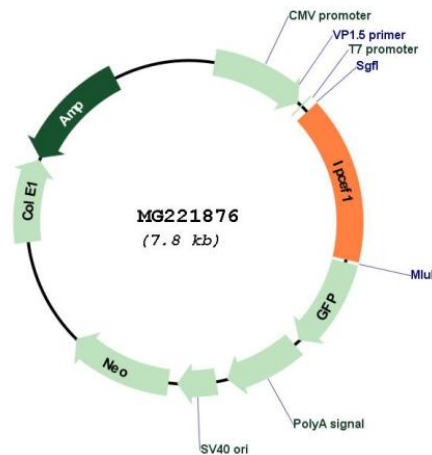
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001170800

ORF Size:	1218 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.
Components:	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).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	NM_001170800.1 , NP_001164271.1
RefSeq Size:	5561 bp
RefSeq ORF:	1221 bp
Locus ID:	320495
UniProt ID:	Q5DU31
Cytogenetics:	10 A1
Gene Summary:	Enhances the promotion of guanine-nucleotide exchange by PSCD2 on ARF6 in a concentration-dependent manner.[UniProtKB/Swiss-Prot Function]