

Product datasheet for MR221876

Ipcef1 (NM_001170800) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ipcef1 (NM_001170800) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ipcef1
Synonyms:	A130090K04Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR221876 representing NM_001170800 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGAGTCGGAGAAGGATATCCTGTAAAGATCTGGGCCACGCTGACTGCCAGGGTTGGCTGTACAAGAAA
AGGAAAAGGGAACCTTTCTAAGCAACAAATGAAAAAGTTCTGGGTGGTCTGAAGGGCTCATCGCTGTA
TTGGTATAGCAATCAAATGGCAGAGAAAGCAGATGGATTTGTCAACCTTTAGATTTTACAGTGGAAAGA
GCCTCTGAATGCAAGAAAAAATGCATTTAAGATCAATCACCCACAGATCAAAGCCTTCTACTTTGCAG
CAGAGAATTTGCAGGAAATGAATGTGTGGTTAAACAAACTTGGATTTGCTGTGACCCACCAGGAATCCAT
CACAAAGGATGAAGAATGTTACAGTGAGAGCGAGCAGGAAGATCCTGAAGTTGCCGTGGAGGCACCCACC
CCTCCGTATGCTTCCACAACCTCCTCCTGTGGCTGCACAGTGGGCATCTTCTTCCACCTAAACGGA
GAGAAACATCATGTTCTTCTCTCTCTGGAAAATACAGTAAAGGCACCCAGCCAGTTTTCTTCTCGGG
ATCTAAAGAACGACAGTCTGGCACAACATAGTTAACAGCTCACCTGCTACTGAAGATGCGGGGCTTCCC
CTCACATTTGCTGAGCAGGTCCACACACTTGCCTTCTCAGAAGCAAGCAATTGCCAGGCCCCAGAAAAACA
ACTGCATCACATCAGAAGGTGGTTTGTGAACTTGTGTCTAGTGATGACACTTCTTCACTGAATAACAA
TAAAGACCATCTAACAGTCCCAGACAGAGCTGCTGGATCAAGAATGGCAGACAGAGAAGAAATAAATCA
TCTGAAGATGATGAGATGAAAAATTGTACAAATCACTGGAGCAGGCTAGCCTCTCTCTTTGGGGACC
GGCGCCTTCAACCAAGAAGGAGCTGAGAAAGCTTTTGTGAAGCGATGCAAAAACCCATCGATAAACGA
GAAGTTGCACAAGATCAGAACCCTGAACAGCACATTAAGTGCAAGAACACGATTTGGCTATGATCAAC
CAGCTGCTGGATGATCCTAAAGCTGACAGCCAGGAAGTACAGAGAGTGGAAGGTCATGAACACCCTGCTGA
TCCAGGACATCTATCAGCAGCAGGCACCTCAGGACCCTGAAGTCAACCCTCAGGAAGTCATGAATCCAC
GTCTTCTGATTGTGTGAAAAATTCTCTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR221876 representing NM_001170800
Red=Cloning site Green=Tags(s)

MSRRRISCKDLGHADCQGWLYKKKEKGTFLSNKWKKFWVVLKGSSELYWYSNQMAEKADGFVNLSDFTVER
 ASECKKNAFKINHPQIKAFYFAENLQEMNVWLNKLGFAVTHQESITKDEECYSESEQEDPEVAVEAPP
 PPYASTTSSPVAQWASSSSPKRRETSCSFSSLENTVKAPSQFSSSGSKERQSWHNIVNSSPATDAGLP
 LTFAEQVHTLAFSEASNCQAPENNCITSEGGLNLLSSDDTSSLNNNKDHILTVPDRAAGSRMADREEIKS
 SEDDEMEKLYKSLEQASLSPLGDRRPSTKKELRKSFVKRCKNPSINEKLHKIRTLNSTLKCKEHDLAMIN
 QLLDDPKLTARKYREWKMNTLLIQDIYQQAPQDPEVTPQEVMNPTSSDCVENSL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9071_a04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



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:

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

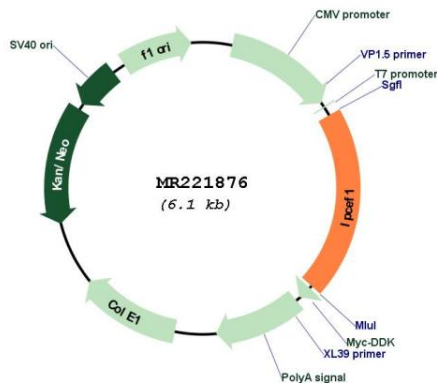
UniProt ID: [Q5DU31](#)

Cytogenetics: 10 A1

MW: 45.8 kDa

Gene Summary: Enhances the promotion of guanine-nucleotide exchange by PSCD2 on ARF6 in a concentration-dependent manner.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR221876