

## Product datasheet for **RR216584**

### Ipcef1 (NM\_001170799) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ipcef1 (NM_001170799) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ipcef1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR216584 representing NM_001170799 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAGTCGGAGAAGGATATCCTGTAAAGATCTGGGCCACGCTGACTGCCAGGGCTGGCTGTACAAGAAA  
AGGAAAAGGGAACCTTTCCTAAGCAACAATGGAAAAAGTTCTGGGTGGTGTGAAGGGGTCACTACTGTA  
CTGGTATGGCAATCAATTGGCAGAGAAAGCAGATGGATTGTCAACCTGCCAGATTTACAGTGGAAAGA  
GCCTCTGAATGCAAGAAAAAAATGCATTTAAGATCAATCACCCACAGATCAAAAACCTTCTACTTTGCAG  
CAGAGAATTTGCAGGAAATGAATATGTGGCTAAACAAACTTGGATTTGCTGTGACCCACAAGGAATCCAC  
TACCAAGGATGAAGAATGTTACAGCGAGAGCGAGCAGGAAGATCCTGAAACAGCCGTGGAGGCCACGCC  
CCTCCATCCGCGTCTGCAACATCCTCTCCTGTGGCTGCACGGCGGCATCTTCTTCTCACCCAAACGGA  
GAGAAACATCATGTTCTTCTCTCTGGAAAATACAGTAAAGGCACCCAGCCGGTTTTCTTCTCGGG  
ATCTAAAGAAAGACAGTCGTGGCTTGACATAGTTAACAGCTCGCCTGCTACCGAAGATGTGGGACATCCC  
CTGTCAATTTGCTGTACAGGTCCACACACTTGCCTCCTCAGAGGCAAGCAGTTGCCGGTCTCAGAAAACA  
GCTCCACAACACCAGAAAGTGGTTGTTGAACTCTTTGTCTAGTGATGACACTTCTCACTGAACAACAG  
TCAAGACCATCTAACAGTCCCAGACAGAGCTTCTGGATCAAGAATGACAGACAGAGACGAAATAAATCG  
TCCGAAGACGATGAGATGGAGAACTGTACAAGTCATTGGAGCAGGCTAGCCTGTCTCCTTTGGGGACC  
GGCGACCTTCAACCAAGAAGGAGCTGAGAAAGTCTTTGTGAAGCGATGCAAAAACCCATCAATAAACGA  
GAAGCTGCACAAGATCAGAACCTTGAACAGCACATTAAGTGCAAAGAACATGATTTGGCTATGATCAAC  
CAGCTGCTGGATGACCCAAAGCTGACAGCCAGGAAGTACAGAGAGTGAAAGTATGAACACCCTGCTGA  
TCCAGGACATCTATCAGCAGCAGGTACCTCAGGACCCTGAAGTCAACCCTCAGGAAATCATGAACCCAC  
CTCTTCTGACTGTGTGAAAAATTCTCTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR216584 representing NM\_001170799  
 Red=Cloning site Green=Tags(s)

MSRRRISCKDLGHADCQGWLYKKKEKGTFLSNKWKFWVVLKGSSELYWYGNQLAEKADGFVNLPDFTVER  
 ASECKKNAFKINHPQIKTFYFAENLQEMNMWLNKLGFAVTHKESTTKDEECYSESEQEDPETAVEAPP  
 PPSASATSSPVAARRASSSSPKRRETSCSFSSLENTVKAPSRFSSSGSKERQSWLDIVNSSPATEDVGH  
 LSFVAVQVHTLASSEASSCRVSENSSTTPESGCLNSLSSDDTSSLNNSQDHLTVPDRASGSRMTDRDEIKS  
 SEDDEMEKLYKSLEQASLSPLGDRRPSTKKELRKSFVKRCKNPSINEKLHKIRTLNSTLKCKEHLAMIN  
 QLDDPKLTARKYREWKVMNTLLIQDIYQQVQDPEVTPQEIMNPTSSDCVENS

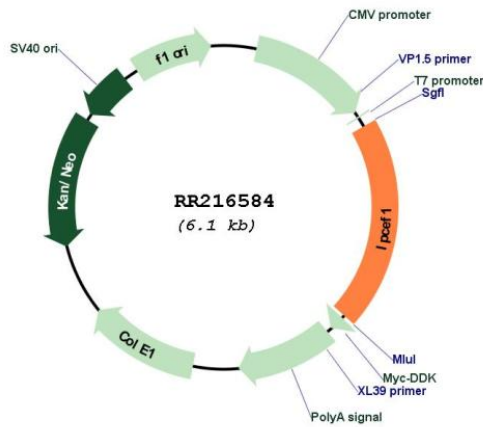
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001170799

<b>ORF Size:</b>	1218 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_001170799.1</a> , <a href="#">NP_001164270.1</a>
<b>RefSeq Size:</b>	1517 bp
<b>RefSeq ORF:</b>	1221 bp
<b>Locus ID:</b>	361474
<b>UniProt ID:</b>	<a href="#">Q80VL0</a>
<b>Cytogenetics:</b>	1q11
<b>MW:</b>	45.7 kDa
<b>Gene Summary:</b>	binds guanine nucleotide exchange factor cytohesin 2 and increases cytohesin 2 mediated formation of ADP-ribosylation factor GTP-ase [RGD, Feb 2006]