

## Product datasheet for **MC205750**

### Fig4 (NM\_133999) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fig4 (NM_133999) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fig4
Synonyms:	A530089I17Rik; AI326867; Sac3
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC015295  
 GGGAAATCCGGAAGCAGCCGGCGAGCCCGCTGCTGAACGTTTGGTGTCTGACACTGTTTTTGTGACGCTGT  
 GTCTGGTGTGCTGGAGGTCTGCGGGGTCTCCTCGCTCTGTCTCCAGGGGAACCCCGCCGCTGTCACGAC  
 CTGGGCCGCGCCTGGTGCCCTGTGGCGGGGCCCAATTGGTGGAGCCATGCCACGGCCGCTGCCCCC  
 ATCATCAGCTCGGTCCAGAAGCTGGTGTGTATGAGACCAGAGCTAGATACTTTCTAGTTGGGAGCAATC  
 ATGCAGAAACGAAGTACCGTGTCTGAAATTTGATAGAACAGAACCGAAGGACTTGGTGGTAATCGACGA  
 CAGGCACGTGTACACACAACAAGAAGTGAAGGAACTTCTGGCCGCTGGATCTGGGAAACAGAACAAG  
 ATGAGCCAGAAAAGGATCCTCCGGGTTGTTTCGAGCCGTCTCAGCTTTTGGAGTCGTAGGTTTTGTCAAGT  
 TCTTAGAAGGCTACTATATTGTATTAATAACTAAGCGGAGGAAGATGGCAGACATTGGAGGTCATGCAAT  
 TTATAAGATTGAAGATACAAGTATGATTATATCCCAATGACTCTGTTGCGATTCTCACCCGACGAA  
 GCTAGGTATCTAAGGATATTTCAAAATGTGGATCTATCTAGCAATTTTTACTTTAGTTACAGCTATGATT  
 TGTCACTACTTCACTTCACTTACCGTCTGCGAATGCCCTGGAGATGTTAAAGTCAGAAACATC  
 CAAGGCGTGCCAGGAGAGCTTCGACATCTTTGAAGATGAAGGATTAATTACACAGGTTGGCAGTGGTGA  
 TTTGGGATCTCTAGTGAGCCTTATATGAAGTATGTATGGAACGGTGAACCTCTGGATATAATAAAAACA  
 CTGTGCATCGTGACTGGCTATTGTATATCATTGATGGTCTGCGGGCAGTCCAAGCTTTTGATCTATGG  
 ACGACCAGTGTATGTGACCCTAATAGCCAGGAGATCCAGTAGGTTTGGCTGGGACGCGCTTTCTCAAGAGA  
 GCGCAAACGTGTGAGGGTGACGTTGCAAATGAGGTGGAGACCGAGCAGATCCTCTGTGATGCTTCTGTGA  
 TGTCTTTTACCGCAGGCAGTTACTCTTCTACGTACAAGTTAGAGGATCCGTTCCCTTATTTCTGGTCCCA  
 AGACATCTCAACTATGATGCCGAAACCACCCATTACACTGGACCAGGCGGATCCCTTTCACACGTTGGCT  
 GCTCTTCACTTTGACCAGATGCTCCAGAGGTTCCGGCTCCCCATCATCATCTTGAACCTAGTGAAGGAGA  
 GGGAGAAGAGAAAGCAGCAAAGGATCCTGAGTGAAGAGCTGGTGGCTGCGGTCACCTACCTGAACCAAGT  
 CCTGCCACCGGAGCACACCATTTGTACATCCCCTGGGACATGGCCAAGTACACCAAGAGTAAGCTGTGC  
 AACGTTCTCGATCGGCTGAATGTGATTGCGGAAAGCGTGGTAAAGAAGACAGGATCTTTGTAAACCGCC  
 CTGATTTACTGACGATTTTTACGGCCAGATGAAAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG  
 TGGTCCGCTCCAGACTGGCATCCTTGAACCAACTGTGTGGACTGTTTGGATCGCACCAACACTGCGCAG  
 TTCATGGTGGGAAGTGTGCCCTGGCTTACCAGCTGATTCTTAGGGCTGATTGACAAGCCTAACCTGTC  
 AGTTTCGACACGGATGCAGTGAGGTTGTTTGAAGAACTCTATGAAGACCATGGAGACACCTTTCCCTGCA  
 GTACGGAGGCTCTCAGCTGGTTCATCGGGTAAAGACCTACAGAAAGATAGCACCGTGGACCCAGCACTCC  
 AAGGACATCATGCAGACTCTGTCCCGTACTACAGCAACGCTTCTCGGATGCTGATAGACAAGATTCCA  
 TCAACCTGTTTTTGGGTGTTTTCCACCCACAGAAAGGAAACCTCATCTCTGGGAACTCCCACAGACTT  
 TTACCTCCATCACAAAAACCATGAGCCTTTTACCCCCAGAAGGAGTTATACTTACTGGTGGACGCCA  
 GAGGTGGTGAAGCATCTGCCGCTGCCTTACGATGAAGTTATCTGTGCTGCAAACTTAAAGAAGTTGATGG  
 TGAAGAAATTTACAGATGGGAAGAAGAGATTGATATTCACAATGAGTTCTTCCGGCCGATGAATTGAG  
 TAGTTTTGATGACACCTTTTGTGGCCATGACAAGTTTACGACGCTGATTTTATGCCTAAAACCTGTTGGC  
 ATTGATCCAAGTCCATTTACCGTGCGAAAACAGATGAAACTGGAAAATCTGTACTGGGGAACAAAAACA  
 CTAGAGAGGAAGTGTCTGCAGCGGAAGACCGCAGCCAGCGCCCGCCACCCCGAGCGGAGGAGGCTGT  
 GTCCAGCAGCTCTGAGGATGACTCTGGCACCAGCCGGGAAGATGAAGGCTCCATCTCTCAGCGATCCACT  
 CCTGTGAAGATGACTGACACGGGAGACAGTGCCAAAGCGACTGAGAATGGTCCAGCCCATGAAGGAAG  
 TGTATGGAGTCAGTCTCTCCAGTAGCCTGTGAGAGGAGGATCACTCCATTTATGCCAGGTTTGTTCAGT  
 GGGGCAAAGTCAACATAAACAGGACCGAGGTAACCAGCAGCTGTGTTCCGTTGCTCAGATGGAGTTATA  
 AAATAACTCCCATCTCAGCTTTCTCGCAAGACAACATTTATGAAGTTACGCTTCAAGAGTAGACAGAA  
 AGTCTACAGAGATCTTCCAGGCCATATCCAAGTAGCCAAGGTATCATGCAGCCCTTGGCAAAGAGGA  
 CACTGCCATGTACCGGAGTACATCAGAAACCGCTACTTATAGAGACGGCCTCGAGGACAGTGTCTCTG  
 TGAGAAGGCGTGCCCGAGATCCTGAGATGCAGCTCATTGGTAAAGGACTCCCAGCACCTGTATCACAGC  
 CTTCCGGTATTCCAGCTACCAGGAATCCAGTGTGCTTCCAGATTTTGTAGGCACCTATACTCAAGTAG  
 GTGCCTGTGTGTGCACACACATGCACAGGAGTGCATACACACACATGTATGCACACACACAGTAAAAATA  
 ATAAAAGTAAAAATCTTTAAAAATCAATTCATCCAATCATGTATCTGAAACTTTTCACTCTTTGTACCA  
 TGCAAATGACTAATTGCAGGTAATAAAGAAATGCTGCCTTTTAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_133999

<b>Insert Size:</b>	2724 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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="#">BC015295</a> , <a href="#">AAH15295</a>
<b>RefSeq Size:</b>	3278 bp
<b>RefSeq ORF:</b>	2724 bp
<b>Locus ID:</b>	103199
<b>UniProt ID:</b>	<a href="#">Q91WF7</a>
<b>Cytogenetics:</b>	10 B1
<b>Gene Summary:</b>	The PI(3,5)P2 regulatory complex regulates both the synthesis and turnover of phosphatidylinositol 3,5-bisphosphate (PtdIns(3,5)P2). In vitro, hydrolyzes all three D5-phosphorylated polyphosphoinositide substrates in the order PtdIns(4,5)P2 > PtdIns(3,5)P2 > PtdIns(3,4,5)P3. Plays a role in the biogenesis of endosome carrier vesicles (ECV) / multivesicular bodies (MVB) transport intermediates from early endosomes.[UniProtKB/Swiss-Prot Function]