

Product datasheet for **MC207641**

PPP6c (NM_024209) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ppp6c (NM_024209) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ppp6c
Synonyms: 2310003C10Rik; Pp6C
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC207641 representing NM_024209
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGCCGCTGGATCTGGACAAGTATGTGGAGATAGCGCGGCAGTGCAAGTACCTTCCCGAGAACGACC
 TGAAGAGGCTATGTGACTATGTTTGTGATCTGCTCTTGAAGAGTGAATGTTTCAGCCAGTGTCAACGCC
 AGTAACAGTGTGTGGTGACATACACGGACAGTTTTATGATCTTTGTGAAGTGTTCAGAACTGGAGGTCAG
 GTTCTGACACAACTACATATTTATGGGTGATTTGTAGACAGAGGTTACTATAGTTTGGAGACCTTCA
 CTTATCTTCTTGCACTAAAGGCTAAGTGGCCTGACCGTATTACACTTTTAAAGAGGAAATCATGAGAGTAG
 ACAGATAACACAGGTGTATGGATTTTATGATGAGTGCCAAACCAATATGGAAATGCTAATGCCTGGAGA
 TACTGTACCAAAGTTTTTGTATGCTCACAGTAGCAGCTTTAATAGATGAGCAGATTTTGTGTGTTTCATG
 GCGGTTTATCTCCTGATATCAAACACTGGATCAAATTCGAACTATTGAACGAAATCAGGAAATTCCTCA
 CAAAGGAGCATTGTGACTTGGTGTGGTCAGATCCTGAAGATGTGGACACTTGGCAATCAGTCCCAGA
 GGAGCAGGTTGGCTATTTGGAGCAAAAGTCACAAATGAGTTTGTTCATATCAACAACCTAAAACATCT
 GCAGAGCACATCAGCTTGTGCACGAAGGCTATAAGTTTATGTTTGACGAGAAGCTGGTCACAGTGTGGTC
 TGCTCCTAACTACTGCTATCGCTGTGAAACATTGCTTCCATCATGGTCTTCAAAGATGTCAATACGAGA
 GAACCAAAGTTATTCCGAGCAGTCCAGATTCAGAACGTGTTATTCTCCAGAACCACGACGCCGTATT
 TCCTTTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_024209
Insert Size: 918 bp



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OTI Disclaimer:	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).
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_024209.2 , NP_077171.1
RefSeq Size:	1583 bp
RefSeq ORF:	918 bp
Locus ID:	67857
UniProt ID:	Q9CQR6
Cytogenetics:	2 B
Gene Summary:	Catalytic subunit of protein phosphatase 6 (PP6). PP6 is a component of a signaling pathway regulating cell cycle progression in response to IL2 receptor stimulation. N-terminal domain restricts G1 to S phase progression in cancer cells, in part through control of cyclin D1. During mitosis, regulates spindle positioning. Downregulates MAP3K7 kinase activation of the IL1 signaling pathway by dephosphorylation of MAP3K7. Participates also in the innate immune defense against viruses by desphosphorylating RIG-I/DDX58, an essential step that triggers RIG-I/DDX58-mediated signaling activation.[UniProtKB/Swiss-Prot Function]