

Product datasheet for **MC201711**

Phospho2 (NM_028521) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Phospho2 (NM_028521) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Phospho2
Synonyms:	1700048E23Rik; AI661517; AU021728; AV006103; Phos2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC025612 sequence for NM_028521
 CCACGCGTCCGCGGACGCGTGGGGGGCGAGCCGGCGCTAGCAGTTCACCGGCTGCGTAAGGCACGAGAAC
 CAACCGGCCGACGCTGGTGTGTATGCTGGCGGCCCGCTGCGACCCAGGCCCTGGGTGAGTGGAGCCCTC
 GGTCCCCTCGGCGCGTCCGCTTTTCTACTCGCTGCGCTAGTTTGGAAACCGCCGGTGTGCGAGTCGA
 GGCCAGGCTGGGTGCGAGCTTCTACTGCGCCCCGCTGGCTGAGGTTTTCTATCAGAGATGTTCCACT
 GTAATAATGCTGGAGTTAAAAAGTCTTTGTTCTTTGCTGCATATCAGAGCAATTTCTCTGCATACAGAA
 CTGGAGTAATGTTTACAAACAGCTGGCAAATTGAAGACTGCAGTGGCCTAACCTCTGTGCTGAAGTAGCA
 TTAATTGGACTGCAAGTACCAGTTTGGGGTAACCCAAGTCTGTTCTGGAAACCATGAAAGTTCTGTTGGT
 GTTTGACTTTGACAATACAATCATAGACGACAACAGTGACACCTGGATTGTACAGTGTGCTCCAGACAAA
 AAGCTTCCCATTGAGCTACAAGATTCTTATCAAAGGGGCTTTGGACAGAATTTATGGGCAGAGTCTTTA
 AATATTTGAGAGATGAGGGGTAAGCAGATGAACTGAAGAGGGCAGTGACTTCACTGCCCTTACCTC
 AGGGATGATAGAATTCTCAGCTTCTGAGGATGAATAAGGACAGATTTGACTGCATCATCTTTCGGAT
 TCAAATCCATCTTCATAGACTGGGTTCTAGAAGCTGCTGCCTTTCACGATGTCTTTGATCAGTGTTTA
 CCAATCCAGCATCTTTGATAGCAGTGGTCTCACAGTGAAAAATTACCATGCTCATTCTGCACTAG
 GTGCCAAAGAATCTTTGCAAAAATACAGTTTTGGGAGAATTTATAGATAAACAGTTACAAAAGGGCGTG
 AGATATACACGGATTGTTTATATAGGTGATGGTGGAAATGATGTCTGCCAGTAACCTTTTTTAAAGAAA
 ATGATGTTGCCATGCCACGGGAAGGATATACTTACATAGAACTCTTGCCAAAATGTCTCAAATCTTGA
 GCCTATGGAATCTTCTATTGTAGTTTGGTCTTCAGGTGTTGAAATAATTTCTCATTTACAATTTCTAATA
 AAGATGTGATATGCCAACAAATTGAAAGGTGATTAGTTGAGGTTGGGCTCGGCAACATAAACTAAATTC
 CCAATATTAGAACCTTTAAAAATGTGAGAGTTTTCTCTTTAAAGAATTCTGGTGGTATGTCAAGGCCA
 CTTGTTGCTCAGCCAATCTCAGCTTCTGCTTCAACCCCGTGATTTGAAATTGATATCTAAAGCTCAAG
 TCCTCACAAACAGACATTGTGACCAGCAAGAATCAGGGCCATAGGATTTTTACCCTTTGTTGAGGAATGTT
 TTCCAATTGTACCAAACAGTTCTGTTTGAATACCACTAGCCAAAACCTGGTCAGAGCCTCCCTAACTGC
 ACAGATGGGAAATGCAGCTTTCATTCCAGGTAGTCTGTGCCAGGAAAAAGAGGAAAAACAAAATACAT
 AATTGAGGTATGTGGAGCTCATAGTCTATACTAAGGATGGTTAATAGATTGTTTTGTTTTTATTTCTGAA
 GAAAGTGGCTTTATTTACTTTTTATGAAATAGTTACAAATGTTGAAAGTAGCTCATGAGCTCTCTTCCC
 CTGATGTCAAGTCATGAAGAGACCCAAGTGTGTTCAAGATTGAGCTTACCCACAACCCGCTAGGACTGA
 GGAAGGCATTATTGCTGGAGGTGAATGGATCTTACTGCCTAACAGGAGCACTGAAGACTGCCTTCATCC
 AAGAGGGCCAGCATGGGATATACGCCTTGATCATCGCTGCCAAAGCCTTAGGCAAGTGCATGCTTGA
 ACCCTATTGTGATGAGCGTCAAGTTGGTGGAGAAGCTTTGTGCTGAGCCTGAAGATCAAATAATCAGGC
 ATCTGTGAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_028521

Insert Size: 726 bp

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:

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: [BC025612](#), [AAH25612](#)

RefSeq Size: 2052 bp

RefSeq ORF: 726 bp

Locus ID: 73373

UniProt ID: [Q9D9M5](#)

Cytogenetics: 2 C2

Gene Summary: Phosphatase that has high activity toward pyridoxal 5'-phosphate (PLP). Also active at much lower level toward pyrophosphate, phosphoethanolamine (PEA), phosphocholine (PCho), phospho-l-tyrosine, fructose-6-phosphate, p-nitrophenyl phosphate, and h-glycerophosphate (By similarity).[UniProtKB/Swiss-Prot Function]