

## Product datasheet for MR202971

### Phospho2 (NM\_028521) Mouse Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | Phospho2 (NM_028521) Mouse Tagged ORF Clone                       |
| Tag:                      | Myc-DDK   |
| Symbol:                   | Phospho2  |
| Synonyms:                 | 1700048E23Rik; AI661517; AU021728; AV006103; Phos2                |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-Entry (PS100001)  |
| E. coli Selection:        | Kanamycin (25 ug/mL)  |
| ORF Nucleotide Sequence:  | >MR202971 ORF sequence<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAAGTTCTGTTGGTGTGGTACTTTGACAATACAATCATAGACGACAACAGTGACACCTGGATTGTAC  
AGTGTGCTCCAGACAAAAAGCTTCCATTGAGCTACAAGATTCTTATCAAAGGGGCTTTGGACAGAATT  
TATGGGCAGAGTCTTTAAATATTTGAGAGATGAGGGGGTAAAAGCAGATGAAGAGGGCAGTGACT  
TCACTGCCCTTCACCTCAGGGATGATAGAACTTCTCAGCTTCTGAGGATGAATAAGGACAGATTTGACT  
GCATCATCATTTTCGGATTCAAATCCATCTTCATAGACTGGGTTCTAGAAGCTGCTGCCTTTCACGATGT  
CTTTGATCACGTGTTTACCAATCCAGCATCCTTTGATAGCAGTGGTCTGCTCACAGTGAAAAATTACCAT  
GCTCATTCTTGCACTAGGTGCCAAAGAATCTTTGCAAAAATACAGTTTTGGGAGATTTATAGATAAAC  
AGTTACAAAAGGGCGTGAGATATACACGGATTGTTTATATAGGTGATGGTGGAAATGATGCTGCCCAGT  
AACTTTTTTAAAGAAAAATGATGTTGCCATGCCACGGGAAGGATATACTTTACATAGAATCTTGCCAAA  
ATGTCTCAAAATCTTGAGCCTATGGAATCTTCTATTGTAGTTGGTCTTCAGGTGTTGAAATAATTTCTC  
ATTTACAATTTCTAATAAAGATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**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\\_028521.2](#)

**RefSeq Size:** 2104 bp

**RefSeq ORF:** 726 bp

**Locus ID:** 73373

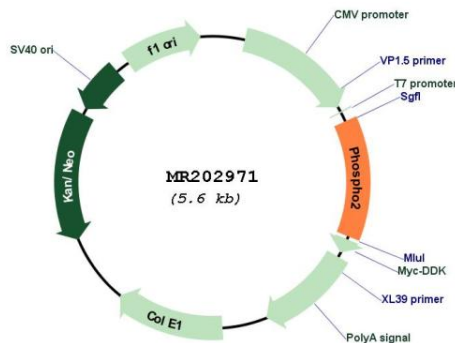
**UniProt ID:** [Q9D9M5](#)

**Cytogenetics:** 2 C2

**MW:** 27.6 kDa

**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]

### Product images:



Circular map for MR202971