

Product datasheet for **SC331293**

PHOSPHO2 (NM_001199287) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PHOSPHO2 (NM_001199287) Human Untagged Clone
Tag: Tag Free
Symbol: PHOSPHO2
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331293 representing NM_001199287.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGAAAATTTTGCTAGTTTTGACTTTGACAATACAATCATAGATGACAATAGTGACACTTGGATTGTA  
CAATGTGCTCCCAACAAAAGCTTCCTATTGAACTACGTGATTCTTATCGAAAAGGATTTTGGACAGAA  
TTTATGGGCAGAGTCTTTAAGTATTTGGGAGATAAGGGTGTAAAGAGAACATGAAATGAAAAGAGCAGTG  
ACATCATTGCCTTTCACCTCCAGGGATGGTGGAACTCTTCAACTTTATAAGAAAAGAATAAGGATAAATTT  
GACTGCATTATTATTTTCAGATTCAAATTCGGTCTTCATAGATTGGGTTTTAGAAGCTGCCAGTTTTTCAT  
GACATATTTGATAAAGTGTTCACAAATCCAGCAGCTTTTAAATAGCAATGGTCATCTCAGTTGAAAAT  
TATCATACTCATTCTTGCAATAGATGCCCAAAGAATCTTTGCAAAAAGGTAGTTTTGATAGAATTTGTA  
GATAAACAGTTACAACAGGGAGTGAATTATACACAAATGTTTATATTGGTGATGGTGGAAATGATGTC  
TGTCCAGTCACCTTTTTAAAGAATGATGATGTTGCCATGCCACGAAAGGATATACCTTACAGAAAAT  
CTTTCCAGAAATGTCTCAAATCTTGAGCCTATGGAATATTCTGTTGTAGTTTGGTCTCAGGTGTTGAT  
ATAATTTCTCATTACAATTTCTAATAAAGGAT
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Restriction Sites: SgfI-MluI
ACCN: NM_001199287
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).



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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_001199287.1](#)

RefSeq Size: 1267 bp

RefSeq ORF: 726 bp

Locus ID: 493911

UniProt ID: [Q8TCD6](#)

Cytogenetics: 2q31.1

MW: 27.8 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. [UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (4) differs in the 5' UTR compared to variant 1. All variants (1-5) encode the same protein.