

Product datasheet for SC325720

PHOSPHO1 (NM_001143804) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PHOSPHO1 (NM_001143804) Human Untagged Clone
Tag: Tag Free
Symbol: PHOSPHO1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >SC325720 representing NM_001143804.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTGCCAGCGCCTCTGGCCGTGGCCCGCTAACCCAGCCTCTCCCGGGCGGGCTCCTGCCCGCCCCCTC
TCGCTTGGCCCCCTCCTCCTCCTCCTGCTGCTCTCCCCCTGCTCCCAGGACGGCAGGATGGCCGCG
CAGGGCGCGCCGCTTCTCCTGACCTTCGACTTCGACGAGACTATCGTGGACGAAAACAGCGACGAT
TCGATCGTGGCGCCGCGCCGGGCCAGCGGCTCCCGGAGAGCCTGCGAGCCACCTACCGCGAGGGCTTC
TACAACGAGTACATGCAGCGCTCTTCAAGTACCTGGCGAGCAGGGCGTGGCGCCGGGACCTGAGC
GCCATCTACGAAGCCATCCCTTTGTCGCCAGGCATGAGCGACCTGCTGCAGTTTGTGGCAAAACAGGGC
GCCTGCTTCGAGGTGATTCTCATCTCCGATGCCAACACCTTTGGCGTGGAGAGCTCGCTGCGCGCCGCC
GGCCACCACAGCCTGTTCCGCCGATCCTCAGCAACCCGTCGGGGCCGGATGCGCGGGGACTGCTGGCT
CTGCGGCCGTTCCACACACAGCTGCGCGGCTGCCCGCCAACATGTGCAAGCACAAGGTGCTCAGC
GACTACCTGCGGAGCGGGCCACGACGGCGTGCACCTTCGAGCGCCTTCTACGTGGGCGACGGCGCC
AACGACTTCTGCCCCATGGGGCTGCTGGCGGGCGGCGACGTGGCCTTCCCGCGCCGCGGCTACCCCATG
CACCGCCTCATTAGGAGGCCAGAAGGCCGAGCCAGCTCGTTCGCGCCAGCGTGGTGCCTGGGAA
ACGGCTGCAGATGTGCGCCTCCACCTGCAACAGGTGCTGAAGTCGTGTA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: SgfI-MluI
ACCN: NM_001143804
Insert Size: 879 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001143804.1
RefSeq Size:	2173 bp
RefSeq ORF:	879 bp
Locus ID:	162466
UniProt ID:	Q8TCT1
Cytogenetics:	17q21.32
Protein Families:	Druggable Genome
Protein Pathways:	Glycerophospholipid metabolism
MW:	32.4 kDa
Gene Summary:	<p>Phosphatase that has a high activity toward phosphoethanolamine (PEA) and phosphocholine (PCho). Involved in the generation of inorganic phosphate for bone mineralization. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and it encodes the longer protein (isoform 1).</p>