

Product datasheet for **SC128031**

Phosphoserine phosphatase (PSPH) (BC065228) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Phosphoserine phosphatase (PSPH) (BC065228) Human Untagged Clone
Tag:	Tag Free
Symbol:	PSPH
Synonyms:	CO9; PSPHL
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for BC065228, the custom clone sequence may differ by one or more nucleotides

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CCGCAGGCTTCTGCCTGGCCGCCGCCCTATAAGCTACCAGGAGGAGCTTTACGACTTCCCCTCCTGCG
GGAAGTGGCGGGCAGATCGCAAGGTAGCGCAGAAGCTTCTCAATGGCCAGCGCCAGCTGCAGCCCCGGC
GGCGCACTCGCCTCACCTGAGCCTGGGAGGAAAATTCTCCAAGGATGATCTCCCACTCAGAGCTGAGGA
AGCTTTTCTACTCAGCAGATGCTGTGTGTTTTGATGTTGACAGCACGGTCATCAGTGAAGAAGGAATCGG
ACGGAGTCTCGCTCTGTACCAGGCTGGAGTGCAATGGTGAATCTCGGCTCACTGCAACCTCCGCCTCC
TGGGTTCAAGCAGTTCTCCTGCCTCCACCTCCTGAGTAGCTGAAACTACAGGATGCTTTCATTGGCTTTG
GAGGAAATGTGATCAGGCAACAAGTCAAGGATAACGCCAAATGGTATATCACTGATTTTGTAGAGCTGCT
GGGAGAACCAGGAAGAATAACATCCATTGTCATACAGCTCCAAACAACCTCAGATGAATTTTACAAGTTA
CACAGATTGATACTGTTTGCTTACAATTGCCTATTACAACCTGCTATAGAAAGTTGGTACAGATGATCTG
CACTGTCAAGTAAACTACAGTTAGGAATCCTCAAAGATTGGTTTGTGTTTTTAACTGTAGTCCAGTA
TTATATGATCACTATTGATTTCTGGAGAGTTTGAATCTGAATCTTTATGTATATTCCTAGCTATAT
TTCATACAAAGTGTTTTAAGAGTGGAGAGTCAATTAACACCTTTACTCTTAGGAAAAAAAAAAAAAAAA
A
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC065228 unedited ACTATAGGGCGGCCGCAATTCGGCACCAGGTCAGCTAAAGTGGCTGTTGGGTGTCCGCA GGCTTCTGCCTGGCCGCCGCCCTATAAGCTACCAGGAGGAGCTTTACGACTTCCCCTC CTGCGGGAAGTGGCGGGCAGCATCGCAAGGTAGCGCAGAAGCTTCTCAATGGCCAGCGCC AGCTGCAGCCCCGGCGGCACACTCGCCTCACCTGAGCCTGGGAGGAAAATTTCCAAGG ATGATCTCCCACCTCAGAGCTGAGGAAGCTTTTCTACTCAGCAGATGCTGTGTGTTTGTG GTTGACAGCACGGTCATCAGTGAAGAAGGAATCGGACGGAGTCTCGCTCTGTACCAGGC TGGAGTGAATGGTGCAATCTCGGCTCACTGCAACCTCCGCCTCCTGGGTTCAAGCAATT CTCCTGCCTCCACCTCCTGAGTAGCTGAAACTACAGGATGCTTTTATTGGATTTGGAGGA AATGTGATCAGGCAACAAGTCAAGGATAACGCCAAATGGTATATCACTGATTTTGTAGAG CTGCTGGGAGAACCGGAAGAATAACATCCATTGTCATACAGCTCCAAACAACCTCAGATG AATTTTTACAAGTTACACAGATTGATACTGTTTGTGTTACAATTGCCTATTACAACCTTGT ATAGAAAGTTGGTACAGATGATCTGCACTGTCAAGTAAACTACAGTTAGGAATCCTCAA GATTGGTTTGTGTTGTT
3' Read Nucleotide Sequence:	>OriGene 3' read for BC065228 unedited CAGGAGAGGCACTGGGGAGGGTACAGGGATGCCACCCGGGATCTGTTCAAGAAACAGC TATGACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT TTTTCCGGACACATGGATAAACTTTTATTGACCTACCAAAGGGAAAAAACAATTTTCA CTGAAGGCTGCCGAATCTATATTCTAAGAGTAAAGGTGTTAATTGACTCTCCACTCTT AAAACACTTTGTATGAAATATAGCTNGGAATATACATAAAGAATTCAGATTACAAAACCT TCCAGGAAATCGATAGTGATCATATAACTGGAACCTACCGTTAAAAACAACAACCA TCTTTGAGGATTCCTAACTGTAGTTTACTTGACAGTGCAATCATCTGTACCAACTTTCT ATAGCAAGTTGTAATAGGCAATTGTAAGCAAACAGTTTCAATCTGTGTAACCTGTAAAA TTCATCTGAAGTTGTTTGGAGCTGTATGACAATGGATGTTATTCTCCGGTTCTCCAGC AGCTCTACAAAATCAGTGATATACCATTTGGCGTTATCCTTGACTTGTTGCCTGATCACA TTTTCTCCAAAATCCAATGAAAAGCATCCTGTAGTTTTACCTACTTCAGGAGGTGGAGG CCAGGAAAAATTGCTTGAACCCAGAGGCCGAGGTTTGATTGAGCCCAATATTGCACCAT TGCACTTCAACCTGGTGACAGAAG
Restriction Sites:	Please inquire
ACCN:	BC065228
Insert Size:	1200 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:	<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:	BC065228.1

RefSeq Size:	841 bp
RefSeq ORF:	841 bp
Locus ID:	5723
Cytogenetics:	7p11.2
Protein Families:	Druggable Genome, Phosphatase
Protein Pathways:	Glycine, serine and threonine metabolism, Metabolic pathways
Gene Summary:	The protein encoded by this gene belongs to a subfamily of the phosphotransferases. This encoded enzyme is responsible for the third and last step in L-serine formation. It catalyzes magnesium-dependent hydrolysis of L-phosphoserine and is also involved in an exchange reaction between L-serine and L-phosphoserine. Deficiency of this protein is thought to be linked to Williams syndrome. [provided by RefSeq, Jul 2008]