

Product datasheet for **MC200100**

Psph (NM_133900) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Psph (NM_133900) Mouse Untagged Clone
Tag: Tag Free
Symbol: Psph
Synonyms: A1480570; PSP; PSPase
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC002251 sequence for NM_133900
 CTGGAGTTGCCGAGGCATCAGCAGATCCCAGCCGAGCCTTGAGTGAGGACTGTGATCTGCCTTACGGGT
 CACCTCACTCAGGACTCAGCGCACGACGTTGCGAGCAGCTCCAGACCCCATTTGCTACCGGAAAGTTACAG
 GTACCGGAAACCGAAAAGACCAGCGCGGCCAGGAACCGCGGAGGAAAACCTCCCAGGATGGTCTCCCACT
 CAGAGCTGAGGAAGCTCTTCTGTTTCAGCGGATGCAGTGTGCTTTGATGTTGATAGTACCGTCATCAGAGA
 AGAAGGAATCGATGAGCTGGCCAAATTCTGTGGTGTGGAGGCCGAGTGTCTGAAATGACACGAAGAGCC
 ATGGGAGGAGCATTGCCTTTTAAAGACGCACTCACTCAGCGCTTGGCACTGATCCAGCCCTCCAGGGATC
 AAGTCCAGAGGCTCCTAGCTGAGCACCCGCCACATCTGACTCCTGGCATAAGGGAGCTGGTAAGCCGCT
 CCAGGAGCGTAATGTCCAGGTGTTCTCATCTCTGGTGGCTTTCGGAGCATTGTGGAGCACGTTGCTGCA
 AAGCTCAATATCCCAACAACCAATGTGTTTGCCTAATAGGCTGAAGTTCTACTTTAATGGTGAGTACGCAG
 GCTTTGATGAGATGCAGCCGACAGCCGAGTCGGGTGGGAAAGGAAAGTTATTCGGTTTTTAAAGGAAAA
 ATTTCACTTTAAGAAAATAATCATGATTGGAGATGGAGCTACGGACATGGAAGCCTGCCCTCCTGCCGAT
 GCTTTCATTGGATTTGGAGGCAATGTGATCAGGCAGCAGGTTAAGGACAACGCCAAGTGGTACATCACTG
 ACTTCGTGGAGCTGCTGGGAGAACTGGAGGAGTGATCCTGACTTCCCCTCACTCAGAACAACCTCCACCT
 TCTCAAAGCCACACAGTTAGGCTCCTGGGAGAACTAGGAGACAGCTATTTTTTCTACTGTAGTTCTAA
 TATTAATATGACTACTAATTACATGGAGAATTTATACTCTGAATTTTGTGTATTTCTACAAAACAT
 TTTACTTGTAGCTTTCTGAGGTGCACAGTAAATTAAGACTTTTACTCTTGAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_133900

Insert Size: 678 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).



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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:	<u>BC002251</u> , <u>AAH02251</u>
RefSeq Size:	1116 bp
RefSeq ORF:	678 bp
Locus ID:	100678
UniProt ID:	<u>Q99LS3</u>
Cytogenetics:	5 G1.3
Gene Summary:	Catalyzes the last step in the biosynthesis of serine from carbohydrates. The reaction mechanism proceeds via the formation of a phosphoryl-enzyme intermediates (By similarity). [UniProtKB/Swiss-Prot Function]