

Product datasheet for RN213205

Psph (NM_001009679) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Psph (NM_001009679) Rat Untagged Clone
Tag: Tag Free
Symbol: Psph
Synonyms: MGC109524
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN213205 representing NM_001009679
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGTCTCCCACTCAGAGCTGAGGAAGCTTTCTGTTCCGCTGATGCAGTGTGCTTTGATGTTGATAGCA
CAGTCATCAGAGAAGAGGAATCGATGAGCTGGCCAAATTCGTGGTGTGGAGGCTGCAGTGTCTGAAAT
GACACGGAGAGCCATGGGAGGAGCGTTGCCTTTCAAAGATGCGCTCACTGAGCGCTGGCACTGATCCAG
CCCTCCAGGGATCAGGTGCAGAGCTGTGGCTGAACACCCGCCACACCTGACCCCGGGGATAAGGGAGC
TGTAAGCCGCTCCAGGAGCGGAATGTTCAAGTGTTCCTCATCTCCGGGGCTTTAGGAGTATTGTGGA
GCACGTTGCTGCAAAGCTCAACATCCCCACAACCAATGTCTTTGCCAATAGGCTGAAATCTACTCAAC
GGTGAAGTACGCAGGTTTTGACGAGACGCAGCCGACAGCCGAGTCAGGTGGGAAAGGAAAGTTATTGGAT
TTTTAAAGGAAAATTTCACTTTAAGAAAATAATCATGATTGGAGACGGAGCCACAGACATGGAAGCCTG
CCCTCCCGCTGATGCCTTCATTGGCTTTGGAGGCAACGTGATCAGGCAGCAGGTTAAGGACAATGCCAAG
TGGTACATCACTGACTTTGTTGAACTGCTAGGAGAAGTGAAGAA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001009679
Insert Size: 678 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).
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>NM_001009679.1</u> , <u>NP_001009679.1</u>
RefSeq Size:	1166 bp
RefSeq ORF:	678 bp
Locus ID:	304429
UniProt ID:	<u>Q5M819</u>
Cytogenetics:	12q13
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]