

Product datasheet for MC212608

Pstk (NM_001039534) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pstk (NM_001039534) Mouse Untagged Clone
Tag: Tag Free
Symbol: Pstk
Synonyms: 5430423O14Rik; 5730458D16Rik; Gm1099; R75284
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC212608 representing NM_001039534
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGACCGCGCGGCTCGTGGGGCCACTCGCAGAGACGGACAGCCAACTAGGACTGTGCGTCCTCT
 GCGGCTTGCCGGCGCCGAAAGTCGACTTTTGCACGTGCGCTGGCCCTCCGCCTGCGGGGAGCGGGG
 TTGGGCGGTGGGCGTCTCTCCTACGACGATGTGCTGCCTTTGCGCTCCCGACTGCGATGGCACACAG
 CCTCGGCCATCCCAGTGGAAAATGTTCCGACAAGAACTGTTAAAGCACCTGGAATGCTTCCTCGTGGCGG
 TCATTAGTGGGGCTCAGATGTCTGCCCCACCAACAGGACTGAGGCCGTGTGGGAAGACTTCATAACCTG
 CTTAAAAAGTCAGGATTTGATGATCTTTCTACAGCACTAGAGGCCAGCCTTGCCACCTTTGGCAAAA
 CCTGCTGTTTCTAGACCTTTGTTTTGGTGTAGATGACAACCTTTTATTACCAAAGTATGAGATATGAAG
 TCTACCAACTGGCTCGGAAATATTCGCTAGGCTTTTGCCAGCTCTTTTACTGCTGCTCCCTGGAGACATG
 TTTGAAGAGGAATGGTGAGAGTCCCAGCCACTGCCTGACGAGACCATCCAGCTCATGGGGAGAAAGATA
 GAGAAGCCCAACCCTGAGAAAAATGCCTGGGAACACAACAGCCTCATAATTCAGAGTTCAGCATGTTCTC
 TGGAGCCAGCCTGGAGGTGACTGTTTGTGCTTACTGCATGGAATAATCCCATAAAATGTGTTGAGGA
 TAATACAGAACAAAAGGAACTGACAGAATTATCTGTTCTACTAACATCCTTCATAAAGCTGATGAGACA
 CTCCGAAGAAGTGTCTCTCAGACGATGAGGGAAGCCAAAGATGAACAAATACCTCTTAATAAAGTGAAGC
 ATCTAGCAGAAGAACTTAACAAGCTCAAAGCAGATGTTTTGGAAGATCTAAGACAAGGAAATAGAAAATA
 TCTGTGCTTTAGCAAACCACTGACTTATCAGATATTATTTCTTTTGTAAAGGAGAGAGATACTATT
 GTGCAGAAGTATTTTCAAAGCAACAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001039534



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Insert Size:	1080 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:	<u>NM_001039534.1</u> , <u>NP_001034623.1</u>
RefSeq Size:	1130 bp
RefSeq ORF:	1080 bp
Locus ID:	214580
UniProt ID:	<u>Q8BP74</u>
Cytogenetics:	7 F3
Gene Summary:	Specifically phosphorylates seryl-tRNA(Sec) to O-phosphoseryl-tRNA(Sec), an activated intermediate for selenocysteine biosynthesis. No activity with other tRNAs has been detected. [UniProtKB/Swiss-Prot Function]