

Product datasheet for **RN202922**

Mphosph10 (NM_001106340) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mphosph10 (NM_001106340) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mphosph10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN202922 representing NM_001106340
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGCCCCGCGTGTTCGTCGACAGACCCTTGAACGGTGTCTGAGGGAAGTCAGAAAAGCCACCAACC
 GACCCGAGTGTTTCCTCACGATTCAAAATGGACTAGCATCAAACCTCACTTCATTAACAAAAGTTCTGTA
 TGATTTTAATAAAATATTAGAGCATGGCCGGATCTCCGGAAGTCCTTTGCAGAACTTGAGATAAAGAGT
 TTTGATGATGAGCAGATTTGGCAACAAGTGAAGTGCAGAAATGAACCAAGTCTTACAGTACTTCCAGGATG
 CGGTTAGTGAGGCGGTTGAGGATGAAGATCTCAGCCTTCTCCAGAGTGTGAGGATGAGGAGTGTGAAGA
 GGATGCCTCAGAGGTGGAGGCTGACAACCAAGGAGAACGTGGAGACAGACTTGGAGGATGAACCACTGTCA
 GACGAGGGCGGCCATGTTCTAAAGGGGGTGACAGAGCCAAAAGCTCAAGGAAACCTGACCCGAGGAAAA
 GTCCTGCTTTGAGGATGAGGACTCTGACCTTGACTTTGATATTAGCAAGTTGGAGCAGCAGACCAAGAT
 GCAGATCAAACCACTAGAAAACCAAGGAAAAAGTCTGTAGTAGATGATAAGTTCTTCAAACCTGTCCGAA
 ATGGAGAGCTTTTGTAGAAAAGTGGAAAAAGAAGAGGAAAAAACACCTGATGGTGAAGAGGAGGAAGAGG
 AAGACATTGACCTTTTGAAGACATTGATTGAGATGAAAATGAGGGAGGGCTATTTGGGAAGCAAAAGAT
 TAAGTCAAATAAAAGTAGCAGAAATCTGAAATACAAGGACTTCTTTGATCCAGTTGAAAGTGATGAAGAA
 ATGACTGGTGTGGAAGGCGAGCTGGGGTCAGACGAAGAGGAAGGGCTCCCTGAGGAAGCAGCAGACAGCA
 TGTCTGAATCGGATGAAGATAATGACTTGAAGAAGATGAGAATAGTGGTCAACGAAAGGCTTGAAAAAG
 AGTGACATTTGCTTTGCTGTGATGAGGCTGAAGATACGAGTTCTTAGCTGTAAGCAAGAATCCGAT
 GAAGTTAAATCCTCTTTTGAAGGAGACAGGAGAGATGAATGAGAAAATCGCATCTTTGGAAAAAGAGC
 GTTTGGATAAAAAGCCTTGGCAGCTTCAAGGGGAAGTGACAGCGCAGAACGCGCCAGAGAACAGCCTGCT
 GGAAGAGACTCTCCACTTCGACCATGCTGTGAGGATGGCCCTGTAATCACAGAAGAACTACCCTCCAT
 CTAGAAGATATCATTAAACAGAGGATACGAGATCGGGCTTGGGATGATGTAGAACGGAAGAGAAAACCTA
 AGGAGGATGCATATGAATATAAGAAGCGTTTGACGTTAGACCATGAGAAGAGCAAGCTAAGTCTTGCTGA
 GATTTATGAGCAGGAATATATCAAACCTCAACAGCAAAAAGCTGAAGAAGAAGACAATCCAGAGCATGTA
 GAAATTCAGAAGATGATGGATTCTCTTCTTCTAAACCTGGATGCCCTGTCAAACCTCCACTTCATCCCCA
 AACCGCTGTTCTGAAATTAAGTTGTGTCGAATCTGCCAGCCATAACCATGGAGGAAGTGCCCCCAGT
 GAGTGTCACTGATGCAGCCCTCTGGCCCCAGAGGAAATCAAGGAGAAAAATAAGCTGGAGATCTAAAA
 ACAGCTGCTGAGAAAACAGCTACAGACAAGAAACGAGAACGAGGAAAAAGAAATATCAGAAGCGTTTGA
 AAATAAAGGAGAGGAGAGCGGAGAAAAATTGCTTGAAAAGAGCAACCCAGATCATTCTAAGTCCAGCAG
 GGCAGCAGCTTCCGAGAAGCTCAAAACAGTTGACCAAAACAGGCAAAGTGCTCTGTTAAAGGATGAACGA
 AAAGATAAGCCCTTAAAGTCATCTCAGGCATTCTTTTCTAAATTGCAAGATCAAGTAAAAATGCAGATTA
 ATGATGCAAAGCAACCTGGAAAGATAAAGAAGAAAAAACAGGACATTTCTGTTTCAAAATTAAGCTGTA
 A

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001106340

Insert Size: 2031 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:

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_001106340.1, NP_001099810.1

RefSeq Size: 2191 bp

RefSeq ORF: 2031 bp

Locus ID: 293828

Cytogenetics: 1q22