

Product datasheet for **MG227624**

Phospho1 (NM_153104) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Phospho1 (NM_153104) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Phospho1
Synonyms: D11Moh36; Phospo1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG227624 representing NM_153104
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGCGGGTGTTCAGCTGTTGGACTACGATGCCTATCTAGGGACGGCAGGATGGCTGCGCCGGGCG
 CGCCTCGTTTCTCCTCACCTTCGACTTCGATGAGACCATCGTGGACGAGAACAGCGACGACTCGATCGT
 GCGTGCCGCGCCAGGCCAGCAACTGCCGAGAGCCTGCGTGCCACCTATCGCGAGGGCTACTACAATGAG
 TACATGCAACGAGTCTTTAAGTACCTGGGTGAGCAGGGGTACGGCCCCGGGACCTGCGCGCTGTCTACG
 AGACCATCCCCGTGCGCCAGGCATGGGCGATTTGTTGCAGTTCATAGCCAAACAGGGCTCCTGCTTCGA
 GGTATTCTCATTTCGGATGCCAACACCTTCGGTGTGGAGAGTGCCCTGCGTGCCGCTGGCCACCACAGT
 TTATTCGCCCGCATCCTCAGCAACCCGTCGGGGCCCGACGCGCGGGGACTGCTGACGCTGCGGCCCTTCC
 ACACGCACAGCTGCTCGCGCTGCCCGCCAACATGTGCAAGCACAAAGGTGCTCAGCGAATACCTGCGTGA
 GCGGGCCCGCGACGGCGTCACTTCGAGCGCCTTCTACGTGGGTGATGGTGCAAATGACTTTTGCCCC
 ATGGGGCTGCTGGCGGGCGGGGACGTGGCCTTCCCGCGCCGCGGTACCCCATGCACCGCCTCATCCAGG
 AGGCACAGAAAGCTGAGCCAGCTCCTCCGCGCCACGTGGTGCCTGGGAAACAGCCCGCATGTGCC
 CCAACATCTGCAACAGGTGCTGAAGATGTGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG227624 representing NM_153104
 Red=Cloning site Green=Tags(s)

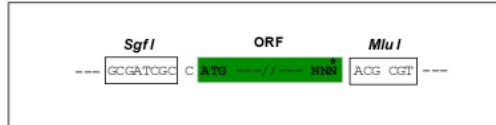
MSGCFPAVGLRCLSRDGRMAAPGAPRFLLTFFDFDETIVDENSDDSIIVRAAPGQQLPESLRATYREGYYNE
 YMQRVFKYLGEQGVPRDLRAVYETIPLSPGMGDLQFIKQGSCEFVILISDANTFGVESALRAAGHHS
 LFRRILSNPSGPDARGLLTLRPFHTHSCSRCPANMCKHKVLYSEYLRERARDGVHFERLFYVGDGANDFCP
 MGLLAGGDVAFPRRGYPMHRLIQEAQKAEPSSFRAHVVPWETAADVQRHLQQVLKMC

TRTRPLE - GFP Tag - V

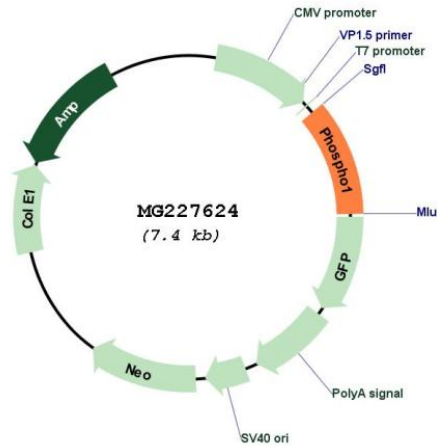
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_153104

ORF Size: 801 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_153104.3 , NP_694744.1
RefSeq Size:	1910 bp
RefSeq ORF:	804 bp
Locus ID:	237928
UniProt ID:	Q8R2H9
Cytogenetics:	11 59.01 cM
Gene Summary:	Phosphatase that has a high activity toward phosphoethanolamine (PEA) and phosphocholine (PCho). Involved in the generation of inorganic phosphate for bone mineralization. [UniProtKB/Swiss-Prot Function]