

Product datasheet for **MG204950**

Pstpip2 (NM_013831) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pstpip2 (NM_013831) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pstpip2
Synonyms:	cmo; MAYP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204950 representing NM_013831 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACGGGCTCGCTGTTCAAGGGAACTTCTGGAGCACGGACATTCTCAGCACCATTGGCTACGACAGCA
TTATCCAGCACCTGAACAATGGCCGTAAGAAGTCAAGGAGTTTGAAGACTTTTTGAAAGAAAGAGCATC
AATTGAAGAGAAATATGGCAAAGACCTGCTGAACCTCTCCAGGAAGAAGCCGTGTGGACAGTCTGAGATC
AATACCTTGAAGAGAGCCCTTGAGTCTTCAAGCAGCAAGTAGACAACGTGGCTCAATGTCACATTCAGC
TTGCGCAGACTCTAAGAGAAGAGGCCAGGAAGATGGAAGAATCCGGGAAAAGCAGAAGCTGCAGCGGAA
AAAGACAGAAACAATAATGGATGCTGCCACAAGCAAAGGAACGCACAGTTCAAGAAAGCCATGGATGCC
AAGAAGAATTATGAGCAAAAGTCCGGGACAAGGATGAGGCAGAGCAAGCTGTCCACCGCAGCGCCAATG
TGGCCAACCAACGGCAACAAGAAAAGCTTTTTGTGAAACTGGCCACTTCAAAGACTGCAGTAGAGGATTC
AGACAAAGCGTACATGTTGCACATCAACATGCTGGAGAAGGTTTCGAGAAGACTGGCAGAGTGAACACATT
AAGGCCTGCGAGGTGTTTCGAGGCTCAGGAATGTGAACGAATCACTTCTCCGGAATGCACTGTGGTTGC
ATCTGAATCAGCTGTCAACAATGTGTCGAAATGACGAGATGTATGAACAAGTCCGTAAGAGTTTGA
AACGTGCAGCATTGAGAAGGACATCCAGTATTTGTGAACCAGCGGAAAAGTGGACAGACTCCCCAGCA
CCCATCATGTATGAGAATTCTACTCTCCTCAGCGGAATGCTGCCACCAGAAAAGACTACAGGGCCCA
ATCCAGCAAGGAGAGGACCTCTCCTGTCCCTAAGCGGATACCAGATGACCCTGACTACTCTGTGGTTGA
AGATTACAGTTTGCTCTATCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204950 representing NM_013831
Red=Cloning site Green=Tags(s)

MTGSLFKGNFSTDILSTIGYDSIIQHLNNGRKNCKEFEDFLKERASIEEKYGKDLLNLSRKKPCGQSEI
 NTLKRALEVFVKQVDNVAQCHIQLAQTLEEARKEEFREKQKLQRKKTETIMDAAHKQRNAQFKKAMDA
 KKNYEQKCRDKDEAEQAVHRSANVANQRQEQKLFVKLATSKTAVEDSDKAYMLHINMLEKVREDWQSEHI
 KACEVFEAQECERINFFRNALWLHLNQLSQQCVANDEMYEQVRKSLETCSIEKDIQYFVNQRKTGQTTPA
 PIMYENFYSPQRNAAPPEKTTGPNPARRGPLPVPKRIPDDPDYSVVEDYSLLYQ

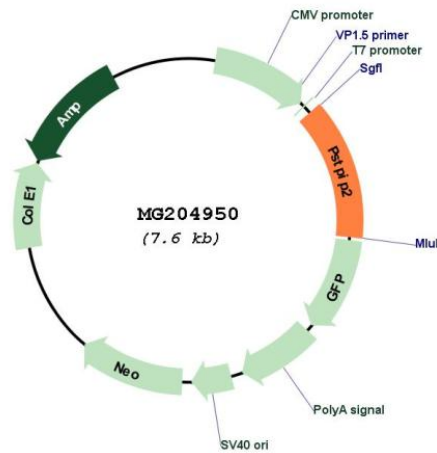
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_013831

ORF Size: 1002 bp

OTI Disclaimer:	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
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_013831.2
RefSeq Size:	3138 bp
RefSeq ORF:	1005 bp
Locus ID:	19201
UniProt ID:	Q99M15
Cytogenetics:	18 52.38 cM
Gene Summary:	Binds to F-actin. May be involved in regulation of the actin cytoskeleton.[UniProtKB/Swiss-Prot Function]