

Product datasheet for **RG206421**

PSTPIP2 (NM_024430) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSTPIP2 (NM_024430) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PSTPIP2
Synonyms:	MAYP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206421 representing NM_024430 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACGCGCTCACTGTTCAAGGGAACTTTTGGAGTGCAGACATCCTCAGCACCATCGGCTATGACAACA
TTATCCAACATCTGAACAATGGCCGCAAGAAGCTGCAAAGAGTTTGAAGACTTTCTAAAAGAAAGGGCAGC
AATTGAAGAGAGGTATGGCAAAGATCTGCTCAACCTCTCTAGGAAGAAGCCGTGTGGACAGTCTGAAATC
AACACCCTGAAGCGGGCCCTTGAAGTCTTCAAGCAGCAAGTAGACAATGTGGCACAATGTCACATTCAGC
TTGCACAGAGTTTAAAGAGAAGAGGCCAGGAAGATGGAAGAATTCAGGGAAAAGCAAAAACACAACGAAA
AAAGACAGAGCTCATAATGGATGCTATCCATAAACAAGAGCTTACAATTCAAGAAAACCATGGATGCA
AAGAAGAACTATGAGCAGAAATGCCGGGACAAAGATGAGGCAGAACAGGCCGTCAGCCGGAGTGCCAACC
TGGTGAACCCGAAGCAACAAGAAAAGCTTTTTGTGAAACTGGCAACTTCAAAGACCCAGTAGAGGACTC
AGACAAAGCATACATGCTGCACATCGGCACCCTGGATAAGGTCCGAGAAGAGTGGCAGAGTGAACATC
AAGGCCTGCGAGGCATTTGAGGCTCAAGAATGTGAACGAATAAATTTCTCCGGAATGCATTGTGGTTAC
ATGTGAATCAGCTGTCAACAATGTGTACCAGTGATGAACCCCATCATGTATGAGAATTTCTACTCC
TCCCAGAAGAATGCAGTCCCAGCAGGAAAGGCTACAGGGCCTAATTGGCAAGGAGAGGACCCCTCCCAA
TTCCTAAAAGCTCACCAGATGATCCCAATTACTTTTGGTTGATGACTACAGTTTGCTCTATCAGTAAAA
TCAATGAAACCAGAGCTTTTTCCGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG206421 representing NM_024430
Red=Cloning site Green=Tags(s)

MTRSLFKGNFWSADILSTIGYDNI IQHLNNGRKNCKEFEDFLKERAAIEERYGKDLLNLSRKKPCGQSEI
 NTLKRALEVFVKQQVDNVAQCHIQLAQLSREARKMEEFREKQKLQRKKTTELIMDAIHKQKSLQFKKTMDA
 KKNYEQKCRDKDEAEQAVSRSANLVNPKQQEKL FVKLATSKTAVEDSDKAYMLHIGTLDKVREEWQSEHI
 KACEAFEAEQECERINFFRNALWLHVNL SQQCVT SDEHPSCMRI STPPRRMQSQQERLQGLTWQGEDPSQ
 FLKAHQMIPITLWMLTTVCSISKINETRAFSG

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024430

ORF Size: 936 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_024430.2](#), [NP_077748.2](#)

RefSeq Size: 3054 bp

RefSeq ORF: 1005 bp

Locus ID: 9050

UniProt ID: [Q9H939](#)

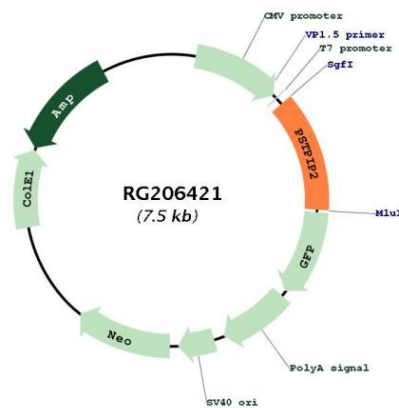
Cytogenetics: tdb7990

Domains: FCH

Protein Families: Druggable Genome

Gene Summary: Binds to F-actin. May be involved in regulation of the actin cytoskeleton (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG206421