

Product datasheet for **MG202570**

Pithd1 (NM_025411) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pithd1 (NM_025411) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pithd1
Synonyms:	1110049F12Rik; AA408179; Trp26
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202570 representing NM_025411 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGCACGGCCACAGCCACGGCGGGGGCGGCTGTCGCTGCGCCGCTGAGCGGAGGAGCCGCCGAGC
AGCGCGGCTGGCTACGGGCTGTACCTGCGCATCGACCTGGAGCGACTGCAGTGCCTCAACGAGAGCCG
CGAGGGCAGCGGCCGCGGCTTCAAGCCGTGGGAGGAGCGGACCGACCGCTCCAAGTTTGTGAAAGT
GATGCGGACGAAGAGCTCCTGTTAATATTCGGTTTACGGGCAATGTCAAGCTGAAAGGCGTCATCATAA
TGGGCGAGGATGATGACTCGCACCCCTCGGAGATGAGACTGTACAAGAACATTCCACAGATGTCATTGA
TGACACAGAAAGGAGCCAGAGCAGACCTTCAGTCTGAACCGAGACATTACAGGAGAATTAGAATATGCT
ACGAAAATCTCCAGGTTTTCAAATGTCTATCATCTTCCATTTCATATTTCAAAAACTTTGGAGCAGATA
CGACGAAGATCTTTTATATTGGCCTGCGGGGAGAGTGGACTGAGCTTCGCCGGCATGAGGTGACCATCTG
CAACTATGAAGCGTCAGCCAACCCAGCAGACCACCGGGTGCATCAGGTCACCCCGCAGACACACTTCATT
TCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202570 representing NM_025411
 Red=Cloning site Green=Tags(s)

MSHGSHSHGGGCRCAAEREPEPEQRGLAYGLYLRIDLRLQLNESREGSGRGVFKPWEERTDRSKFVES
 DADEELLFNIPFTGNVKLKGVIIMGEDDSDHPSEMRLYKNIPQMSFDDTEREPEQTFSLNRDITGELEYA
 TKISRFSNVYHLSIHISKNFADTTKIFYIGLRGEWTELRRHEVTICNYEASANPADHRVHQVTPQTHFI
 S

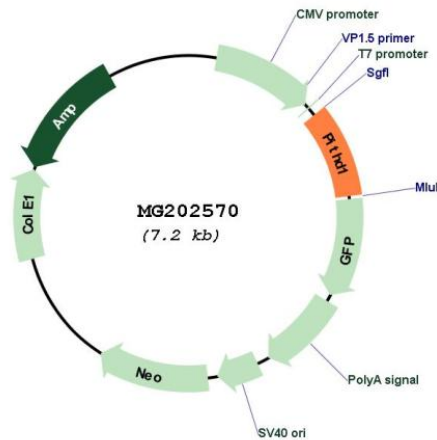
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_025411

ORF Size: 666 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_025411.4 , NP_079687.3
RefSeq Size:	1533 bp
RefSeq ORF:	636 bp
Locus ID:	66193
UniProt ID:	Q8BWR2
Cytogenetics:	4 D3
Gene Summary:	Promotes megakaryocyte differentiation by up-regulating RUNX1 expression (PubMed:25134913). Regulates RUNX1 expression by activating the proximal promoter of the RUNX1 gene and by enhancing the translation activity of an internal ribosome entry site (IRES) element in the RUNX1 gene (By similarity).[UniProtKB/Swiss-Prot Function]