

Product datasheet for **MG205772**

Pank1 (BC023496) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pank1 (BC023496) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pank1
Synonyms:	panK1beta, Pank, Pank1a, Pank1b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205772 representing BC023496 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGCTTGTAATGGCAGAAAGCAAACATTCCTCGTGGTTTGGTATGGATATCGGTGGAACCTGGTTA
AGCTGGTTTACTTTGAACCGAAGGATATCACGGCAGAGGAAGAAGCAGGAAGAAGTGGAGAACCTGAAGAG
CATCCGGAAGTATTTAATTCTAACACTGCCTACGGCAAACCTGGGATCCGGGACGTCCATCTGGAACCT
AAAAACCTGACCATGTGTGGCGCAAAGGGAACCTGCACTTCATCCGCTTCCCGACTGTGCCATGCACT
TGTTCCATCCAGATGGGCAGCGAGAAGAATTCTCCAGCCTCCACACCACCCTCTGTGCCACGGGAGGTGG
GGCTTTCAAGTTTGAGGAGGACTTCCGAATGATTGCGGACCTGCAGCTGCATAAACTGGATGAGCTGGAC
TGTTTGATTACAGGCCTTCTTTACGTTGACTCGGTTGGCTTCAATGGCAAGCCAGAATGTTACTATTTTCG
AAAACCCACAAAATCCCGAGTTGTGCAAAAAAGCCATACTGTTTGGATAACCCGTACCCTATGTTGCT
GGTTAACATGGGCTCAGGCGTCAGCATCCTGGCAGTGTACTCCAAGGACAACACAAAAGAGTGACGGGG
ACCACTTGGAGGTGGGACATTCCTAGGCCTATGTTGCTTGTGACTGGTTGTGAGACCTTTGAAGAAG
CTCTGGACATGGCAGCTAAAGGGCAGCAGCAACATGTGGATAAGCTGGTGAAGGACATTTACGGAGGAGA
CTATGAGCGATTTGGCCTTCAAGGATCTGCTGTAGCATCAAGCTTGGCAACATGATGAGCAAAGAAAAG
AGAGATCCATCAGCAAAGAAGACCTCGCCGGGCCACATTGGTCACCATCACCAACAACATTGGCTCCA
TTGCTCGGATGTGTGCACTGAATGAGAATATTGACAGAGTTGTGTTTGGGAACTTTCTCAGAAATCAA
TATGGTCTCAATGAAGTTGCTAGCATATGCCATGGACTTTTGGTCTAAAGGACAGCTGAAAGCACTGTTT
TTGGAACATGAGGGTTATTTGGAGCTGTTGGGCCCTGTTGGAACCTGTTCAAAATGACCATACACAG

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG205772 representing BC023496
 Red=Cloning site Green=Tags(s)

MKLVNQRKQTFPWFQMDIGGTLVKLVYFEPKDITAEQQEEVENLKSIRKYLTSNTAYGKTGIRDVHLEL
 KNLTMCGRKGNLHFI RFP TCAMHLFIQMGSEKNFSSLHTTLCATGGGAFKFEEDFRMIADLQLHKLDEL
 CLIQGLLYVDSVGFNGKPECYFFENPTNPELQKPKPYCLDNPYPMLLVNMGSGVILAVYSKDNYKRVTG
 TSLGGGTFGLGLCCLLTGCETFEALDMAAKGDSTNVDKLVKDIYGGDYERFGLQGSAVASSFGNMMSKEK
 RESISKEDLARATLVITINNIGSIARMCALNENIDRVVFGNFLRINMVMKLLAYAMDFWSKGQLKALF
 LEHEGYFGAVGALLELFKMTDTQ

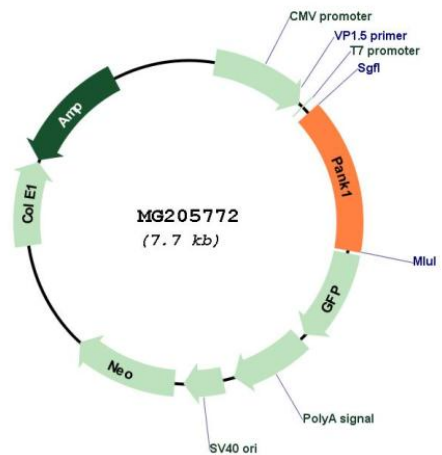
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC023496

ORF Size:	1121 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:	BC023496 , AAH23496
RefSeq Size:	1466 bp
RefSeq ORF:	1121 bp
Locus ID:	75735
Cytogenetics:	19
Gene Summary:	Plays a role in the physiological regulation of the intracellular CoA concentration. [UniProtKB/Swiss-Prot Function]