

## Product datasheet for **MG205719**

### **Pank3 (NM\_145962) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pank3 (NM\_145962) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Pank3  
**Synonyms:** MGC38148  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG205719 representing NM\_145962  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGATCAAGGATGCCAAAAACCTCTTTCCCATGGTTTGGCATGGACATTGGAGGAACGCTAGTAA  
AGCTCTCATACTTTGAACCTATTGACATCACAGCAGAGGAAGAACAAGAGGAAGTTGAGAGCTTAAAGAG  
TATTCGGAATACTTGACTTCTAATGTAGCATATGGATCTACTGGCATTCCGGATGTACATCTTGAGCTG  
AAGGATTTAACACTTTTTGGACGAAGAGGAACTTGCACCTTATCAGATTTCCAACCCAGGACCTGCCTA  
CTTTTATCCAAATGGGGAGAGATAAAAAATTTCTCAACCTTACAAACGGTCTGAGTGCTACAGGAGGTGG  
TGCTTACAAGTTTGAGAAAGATTTTCGCACAATTGGAAACCTCCACCTGCACAACTGGATGAACCTGAC  
TGCCCTGTAAAGGGCTTGCTGTACATAGATTCGTCAGTTTCAATGGACAAGCAGAATGCTATTATTTTG  
CTAATGCCTCAGAACCCGAGCGATGCCAAAAGATGCCTTTAACCTGGATGATCCTTACCCACTGCCTGGT  
AGTGAATATTGGCTCAGGAGTCAGTATTTAGCAGTCCATTCCAAGACAACATAAAAAGAGTGACTGGG  
ACAAGCCTTGAGGGGGCACCTTTCTGGTTTATGCAGTTTGTGACTGGCTGTGAAAGTTTTGAAGAGG  
CTCTGGAATGGCATCCAAGGTGACAGCACCCAAGCTGATAGTTGGTCCGAGATTTTATGGAGGAGA  
TTATGAAAGATTTGGTCTGCCAGGTTGGCGGTGGCATCTAGTTTGGTAATATGATTTAAGGAGAAA  
CGAGAACTGTTAGTAAAGAGGATCTGGCAAGAGCTACTTTAGTTACTATCACCAATAACATTGGTTCTG  
TGGCACGAATGTGTCTGTTAATGAGAAAATAAATCGAGTTGTCTTCGTTGGGAACTTTTTACGTGTCAA  
TACTCTCTCGATGAACTGTTGGCATATGCTTTGGATTACTGGTCAAAGGTCAACTGAAAGCATTGTTT  
TTAGAACATGAGGGATACTTTGGAGCTGTTGGTGCCTTCTTGGACTGCCGAATTCAGC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >MG205719 representing NM\_145962  
Red=Cloning site Green=Tags(s)

MKIKDAKKPSFPWF~~GMDIGGTLVKLSYFEPIDITAE~~EEEQEEVESLKSIRKYLTSNVAYGSTGIRDVHLEL  
 KDLTLFGRRLHFI~~RFPTQDLPTFIQMGRDKNFSTLQTVLSATGGGAYKFEKDFRTIGNLHLKLD~~ELD  
 CLVKGLLYIDSVSFNGQAECYFANASEPERCQKMPFNLD~~DPYLLV~~VNIGSGVSI~~LAVH~~SKDNYKRV~~TG~~  
 TSLGGGTF~~LGLCSLLTGCE~~SFEAELE~~MASKGDSTQADRLVRDIYGGDYERFGLPGWAVASSFGNMIYKEK~~  
 RETVSKEDLARATLVTITN~~IGSVARMCAVNEKINRVVFVGNFLRVNTLSMKLLAYALD~~YWSK~~QQLKALF~~  
 LEHEGYFGAVGALLGLPNFS

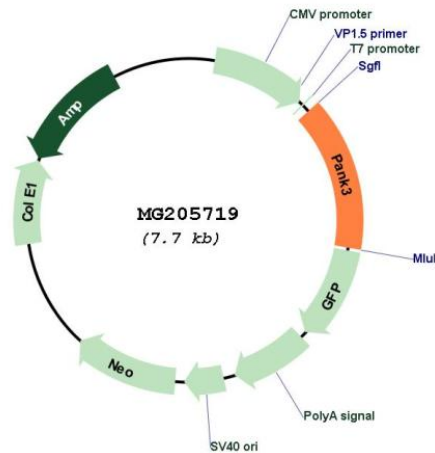
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_145962

<b>ORF Size:</b>	1110 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_145962.2</a> , <a href="#">NP_666074.1</a>
<b>RefSeq Size:</b>	7365 bp
<b>RefSeq ORF:</b>	1113 bp
<b>Locus ID:</b>	211347
<b>UniProt ID:</b>	<a href="#">Q8R2W9</a>
<b>Cytogenetics:</b>	11 A4
<b>Gene Summary:</b>	Plays a role in the physiological regulation of the intracellular CoA concentration. [UniProtKB/Swiss-Prot Function]