

Product datasheet for **MC215844**

Pank2 (NM_153501) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pank2 (NM_153501) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pank2
Synonyms:	4933409I19Rik; A1642621
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC215844 representing NM_153501
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGAGCGGGCCGGTTTGGCGCCTATGGAGCGCCAGGGCAGGGCTGCCGCCACCTCAGCCGCGGTCCG
GCGAGTCTGCGGACTCGGAAGCGCGGAGGCGGGACCCGCTGAGGCGCCGGCGAGTAGCGCGGCCGCGTC
GGGTCCGGGAGGCGGAGAGTGTGAGACGGGAGCGGCCGCTCTCTAGCGGCTCCACCTCGGCCGGC
CGCCCGCGCGCGAAGGCCTCCGGAAGAGGCGGCCGCTTTTTCCATGGTTTGGCTTGGATATTGGAGGAA
CCTTGGTCAAGCTGGTTATTTTGAACCTAAAGACATCACTGCTGAAGAAGAAAAGGAGGAAGTGGAGAG
TCTGAAAAGCATCCGGAAGTACCTGACCTCCAATGTGGCTTACGGATCCACAGGCATTGGGACGTGCAC
CTTGAGCTGAAGGACCTGACTCTGTGTGGACGCAAAGGCAATCTGCACTTATACGCTTTCCACCCATG
ACATGCCTGCTTTTATTCAGATGGGAGAGATAAAAACCTCTCAAGTCTCCACACTGTCTTTTGTGCCAC
TGGAGGTGGATCATAAAATTTGAGCAGGATTTTCTACAATAGGTGACCTTCAGCTTCGAAAACCTGGAT
GAACTAGATTGCTTAATAAAAGGAATTTATACATTGACTCAGTTGGATTCAATGGACGGTCACAGTGTCT
ATTATTTTGAACCCTGCTGATTCTGAAAAATGTCAGAAGTTACCATTGATTTAAAAATCCATATCC
TCTGCTTCTGGTGAACATCGGCTCAGGGTTAGCATCTTAGCAGTGTATTCCAAAGATAATTATAAGAGG
GTCACAGGCACCACTTGGAGGAGGAACCTTTCTTGGTCTCTGCTGTCTTACTGGCTGTAGTACTT
TTGAAGAAGCTCTTGAGATGGCATCTCGTGGAGATAGCACAAAGTGGACAAATTAGTTCGAGACATTTA
TGGAGGAGACTATGAGAGTTTGGCTTGCCAGGCTGGGCTGTGGCTTCAAGTTTTGGAACATGATGAGC
AAGGAGAAGAGAGGCGGCCAGTAAGGAGGATCTGCCAGAGCAACTTGTATCACCATCACCACCAACA
TTGGCTCCATAGCAAGAATGTGTCCCTTAATGAAAACATTAACCAGTGTATTTGTCCGCAATTTCTCT
GAGAGTCAACACGATTGCTATGCGGCTTCTGGCGTATGCGCTGGATTACTGGTCCAAAGGGCAGCTGAAA
GCACTGTTTTCCGAGCACGAGGGATATTTGGAGCCGTTGGAGCACTCCTCGAGCTGTTGAAGATACCCT
GA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_153501

Insert Size: 1332 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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.

RefSeq: [NM_153501.2](#), [NP_705721.2](#)

RefSeq Size: 4266 bp

RefSeq ORF: 1332 bp

Locus ID: 74450

UniProt ID: [Q3U4S0](#)

Cytogenetics: 2 F1

Gene Summary: Catalyzes the phosphorylation of pantothenate to generate 4'-phosphopantothenate in the first and rate-determining step of coenzyme A (CoA) synthesis.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) encodes the longest isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.