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Product datasheet for MC225078

Ank3 (NM_146005) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ank3 (NM_146005) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ank3
Synonyms:	2900054D09Rik; AI314020; An; Ank; Ank-3; AnkG; Anky; Ankyrin-3; Ankyrin-G
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

Fully Sequenced ORF:

>MC225078 representing NM_146005
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGTGAAGAGCCAAAGGAGAAGCCCGCCAAGCCTGCTCATAGGAAGAGGAAAGGAAAAAAGTCTGATG
CCAACGCAAGTTACTTAAGAGCAGCTCGGGCAGGGCACCTGGAAAAGGCCCTTGACTACATCAAAAATGG
AGTGGACGTCAACATCTGTAACCAGAATGGATTGAATGCACTCCATCTTGCTTCCAAAGAAGGCCATGTG
GAAGTGGTCTCTGAGCTGCTGCAGAGGGAAGCCAATGTTGATGCCGCCACAAAGAAAGGAAACACGGCCT
TACACATCGCATCTTTGGCTGGGCAAGCGGAAGTGGTCAAGGTCTTGGTTACGAACGGAGCGAATGTCAA
CGCACAATCTCAGAATGGCTTCACACCATTGTATATGGCAGCCCAGGAGAACCACCTGGAAGTCGTCAGG
TTTCTTCTGGACAATGGCGCCAGCCAAAGCCTGGCCACAGAGGACGGCTTCACGCCATTGGCCGTGGCTC
TGCAACAAGGTCATGACCAAGTCGTGTCCCTCCTGCTCGAGAACGACACGAAGGGAAAAGTGCGCCTCCC
AGCCCTCCACATCGCAGCCCGGAAAGACGACACCAAGGCAGCAGCTCTGCTCCTGCAGAATGACACAAAC
GCGGACGTGGAGTCAAAGAGTGGCTTCACCCCGCTCCACATAGCTGCCCACTATGGGAACATCAATGTGG
CCACGTTGCTGTTAAACCGAGCGGCTGCTGTGGACTTCACCGCACGGAATGACATCACTCCCTTACACGT
TGCCTCGAAGCGAGGAAATGCAAATATGGTGAAGCTATTGCTGGACCGGGGTGCGAAGATCGATGCCAAG
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TTGACAGATCCGCCCCCATCCTTTCAAAAACCAAGAATGGATTGTCGCCACTGCACATGGCCACACAAGG
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AGTAATGGAACTCCTTTTGAAGCACGGTGCATCTATTCAAGCCGTAACCGAGTCGGGCCTTACCCCAATC
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CCACCAATGTGAGAGGAGAGACGGCATTGCATATGGCGGCTCGGTCCGGACAAGCAGAAGTGGTGCGGTA
TCTGGTCCAAGATGGGGCTCAGGTAGAAGCAAAAGCTAAGGATGACCAGACTCCACTCCACATCTCAGCC
CGACTTGGGAAAGCTGACATAGTGCAACAACTGTTACAGCAAGGAGCATCCCCCAATGCAGCAACAACTT

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CTGGGTACACCCCCCTTCACCTTGCGGCCAGAGAGGGGCATGAGGATGTAGCTGCGTTCCTCCTGGATCA
TGGAGCATCTTTATCCATAACAACAAAGAAGGGATTCACCCCTCTGCACGTGGCAGCCAAATACGGAAAG
CTTGAAGTCGCAAGTCTCCTGCTGCAGAAGAGTGCGTCTCCCGATGCCGCAGGGAAGAGCGGGCTAACTC
CACTGCATGTAGCAGCGCATTACGATAATCAGAAAGTGGCCCTTCTGCTCTTGGACCAGGGAGCCTCACC
CCACGCAGCCGCAAAGAATGGCTATACACCACTGCACATCGCGGCCAAGAAGAACCAGATGGACATAGCC
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TGCTTCTGTATGACAGACGACAGGGTGGACAAAACCCTGGAGCAGCAGGAGAACTTCGAGGAGGTTGCCA
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GACCAAAGGAGGACAGCAGCTTGTTTTTAACTTTTATTCTTTCAAAGAAAACAGACTGCCATTTTCCATC
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GATTACCCCAAACAGCTGTTTGCAACTTAAATATTACTCTGCCGGCACATAAAAAGGCTGAGAAGGCAGA
CAGACGCCAGAGCTTTGCCTCCCTAGCTTTACGTAAGCGCTACAGCTACTTGACTGAACCCAGCATGAGT
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CAAGATGACCATTTTAGTGATATCTCTAGCATAGAGTCTCCCTTTAGGACCCCCAGTAGACTGAGTGACG
GGCTGGTGCCTTCCCAGGGAAACATAGAGCATCCAACAGGTGGACCTCCAGTGGTAACCGCAGAGGACAC
TTCTTTAGAAGACAGCAAAATGGACGATTCTGTAACTGTAACAGACCCGGCCGACCCACTGGACGTAGAT
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ACGACGGTCGGCAGGCAGAGCCACTGAGACCGCAGACTAGAAAAGTAGGCATGAGCTCTGAACAGCAGGA

AAAAGGAAAATCTGGTCCTGATGAGGAAGTGACAGAAGACAAGGTCAAATCTCTGTTTGAGGACATTCAA
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CAGAACTGGCAATGTCTTCACTTGCAGGTTGGCAGAACGAGACGCCAAGTGGAAGCCTAGAGTCCCCAGC
GCAAGCTCGAAGACTAACTGGTGGGTTACTGGACCGTCTGGATGACAGCTCTGACCAGGCTCGGGATTCT
ATTACCTCATACCTCACGGGAGAACCTGGGAAGATCGAAGCAAATGGAAACCACACAGCGGAAGTCATTC
CAGAAGCAAAGGCAAAACCCTACTTCCCGGAATCCCAAAACGATATAGGGAAACAGAGCATCAAGGAGAA
CCTGAAACCAAAAACACACGGATGTGGTCGCACTGAGGAACCAGTGTCGCCCCTCACAGCCTACCAGAAA
TCTCTGGAAGAAACCAGCAAGCTTGTCATAGAAGACGCACCTAAACCCTGTGTGCCTGTCGGCATGAAAA
AGATGACCAGGACTACGGCTGACGGCAAAGCCAGGCTCAACCTCCAGGAAGAAGAGGGGTCCACCAGGTC
AGAGCCTAAGCAGGGAGAAGGCTATAAGGTGAAGACGAAGAAGGAAATCCGGAACGTGGAGAAGAAAACC
CACTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_146005

Insert Size: 5886 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_146005.3, NP_666117.2

RefSeq Size: 10025 bp

RefSeq ORF: 5886 bp

Locus ID: 11735

UniProt ID: G5E8K5

Cytogenetics: 10 36.1 cM

Gene Summary: This gene encodes a member of the ankyrin protein family. Ankyrins link integral membrane proteins to the spectrin-based cytoskeleton. Ankyrin family members share a protein structure which includes three independently folded domains: the N-terminal ankyrin repeat domain, the central spectrin-binding domain, and the C-terminal rod domain. This ankyrin functions as the major ankyrin in the kidney and may play a role in the polarized distribution of many integral membrane proteins to specific subcellular sites. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (2) represents the longest transcript and encodes the longest isoform (b).