

## Product datasheet for **MC229456**

### Anks1 (NM\_001286040) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Anks1 (NM\_001286040) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Anks1  
**Synonyms:** Anks1a; mKIAA0229  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC229456 representing NM\_001286040  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGC**C

ATGGGGAAGGAGCAGGAGCTGCTGGAGGCGGCCGCACCGGGCACCTCCCGGCCGTGGAGAAGCTGCTGT  
 CCGGGAAGCGGCTCTCCTCCGGTTCGGCGGCGGGCGGGCGGCTCAGGCAGCGCGCGGCTCCGGGG  
 CGGCGGCTCGGTTCTTCTAGCCACCCGCTCTCCAGTCTGCTGAGCATGTGGAGAGGGCCGAACGTGAAC  
 TGTGTAGATAGCACCGGCTACACGCCACTACACCACGCTGCTTTGAATGGACACAGGGATGTGGTCGAGG  
 TCCTTCTGAGGAACGACGCGCTGACCAACGTTGCTGACTCGAAAGGCTGCTACCCGCTGCACTTGGCAGC  
 GTGGAAAGGAGACGCCAGATAGTACGTCGCTCATCCAGCAAGGGCCCTCACACACCAGAGTCAACGAA  
 CAGAAATGCTCTTGAGATCAGAGAAGTCAAAAAGTACGGCCCTTTGACCCCTTATCAATGCCAAGAACA  
 ACGACAATGAGACGGCCCTGCACTGCGCGGCCAGTACGGCCACACGGAGGTCGTGAAGGCTCTGCTGGA  
 GGAGCTCACGGACCCACCATGCGCAACAACAAGTTTGAACGCCCTGGACTTGGCGGCGCTGTACGGG  
 CGGCTGGAGGTGGTGAAGCTGCTGCTGGGTGCACACCCCAATCTCCTGAGCTGCAGCAGCTCGAAACACA  
 CGCCCTGCACCTGGCAGCAAGGAATGGCCACAAGGCCGTGGTGCAGGTCCTGCTGGACGCCGATGGA  
 TAGCAACTATCAGACGGAGATGGGCAGTGTCTTGCATGAGGCTGCTTTGTTGGCAAGCCGATGTGGTG  
 CAAATCCTGCTGGCTGCAGGAATCGATGTTAAACATAAAGGATAACCGTGGCCTGACTGCCCTTGACTG  
 TCCGGGATCTGCCCTCTCAGAAGAGCCAGCAGATAGCCGCCCTGATTGAAGATCACATGACCGGAAAAAG  
 AAGCGTGAAGAAGTGGACAGGACCTCCACAGCCAGTACCTCTCCTCTCCAACACAGACGCCATAGCA  
 CCAATGTCTCAGGGGAGTATGGAGAAGACAGTACTGAGCTGATCCTTCAATTTGACACACATGCTGACG  
 AGGAGGGCCCTACGAGGCAGTACAACGCTGTGCTCCTGCCATTCTTGGACAGCACGGCCAGTGGACG  
 ATCATCAGACAGAGACTCCATGAACAAGGAGGCCGAGGCCACCGGAACAAGGGCTGCTGGAGTGAAGCCT  
 AGGGAACGTCCGCCCTCCAGCAAAACCGCCACCCGATGAAGAGGAGGAAGAAGCGGTAGATAAGAAGT  
 ATTTTCCCTTGGCAGCCTCTGAGGGCCTGGCTGTGAGACCCAGGATTCAGAGTAGTCTCCCGAGGAAGA  
 GGAGGAGCACCCATATGAGCTGCTGCTCACGGCAGAAACCAAGAAGCTGGGGACCACAGACGGGAGGACT  
 GAAGACCACAGGCAGAGCGGAGCGGCCGAGCCAGGACTCTGTGGAGGGCAGGACGGGCGAGTCCCAG



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AGCAGTTCCTCAGGTCTCCTCCACGGCTCCTCCCCAGTGTGTGAGGTGGGGCAGGACCCTTTCAGCTGCT
CACGGCCCCCAGCCAGAGCCACCCGGAGTCTCCACAGCAGGACGCCTGCCACGAGGCCAGCATGCAGCTA
GAGGAGCCAGGCGTGCAAGGCACTGAACCCCCGACGCCGGCGTCCCTGACCAAAGCAAGAGAGTGGGCT
TGCCGGCAGGCCCTGACAGCCCTGGCCAGCAGAACATACCTCGATGCATTGACTCACACAGTACCTCTGCG
CCCTGCTGGTGCCGAGGAAGAAGACCAGAGCGGGCCAGAAGCAGAGCCCCTCCCACCAGCAAGCCAAA
GCTGAGCTCAAACCTCAGCCGCAGTTTGTCTAAGTCTGACTCTGACCTCCTGACCTGCTCCCCACGGAGG
ACGCCACAATGGGGAGTCGCAGCGAGTCTTGTCCAACCTGCAGCATCGGGAAGAAGAGGTTGGAGAAATC
ACCTTCCCTTGCCTCAGAGTGGGATGAGATTGAGAAAAATCATGAGCTCCATTGGGGAAGGATTGACTTC
TCTCAGGAGCAGCAGAAGATCTCAGTTCTCGGACGCTGGAGCAGAGCGTCGGGGAGTGGCTGGAGTCGA
TTGGCCTGCAGCAGTACGAGAGCAAGCTGCTGCTGAACGGCTTTGATGATGTCCGCTTCTGGGGCTAA
TGTGATGGAAGAGCAGGACCTGAGGGAGATTGGCATCAGTGACCCACAGCACCGGCGGAAGCTGCTGCAG
GCTGCACGCTCCTTGCCCAAGGTGAAGGCCCTTGGCTATGACGGGGTCAGCCCCACCTCAGTGCCTCAT
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TGTGAAGAACCTCTGGGAGCTAGAGCTTGTCAATGTCTGAAAGTTCACCTGCTGGGCCACCGCAAGCGC
ATTATCGCCTCTCTAGCAGACAGGCCCTATGAGGAGCCACCCAGAAGCTCCAAGGTTTTCCACAGTAA
GATGCCAGGATTAATCTCCCAGACATCGTCCCGCTGAGCCAGAATGATTCTGCACAGGGCGGTGCGG
AGACCTGCTGCTGCCCTCAGCAGACACAAGCAGGAGGGCCACGACAGCCTGCCCGACCTGGGACCGCC
TCCCGAGCAGACCGCTTCCGAGTCCAGGAGGAGCCAGTGAGACCAAGCTGACCTCCGTCCACCCAGCC
TAGCCGCGCCCTATGCTCCTGTTCCAGAGCTGGCAGCACCAGCCAGAAAAGCTCATCTTTGAGTCTGCGG
TTATGAGGCCAATTATCTGGGTTCCATGCTGATCAAAGATCTGCGAGGGACAGAGTCCACCCAAGATGCC
TGTGCCAAAATGCGGAAGTCAACGGAGCACATGAAGAAGATCCCACCATCATCTGTCCATCACGTACA
AAGTGTCAAGTTCATCGATGCTTCCAACAAGAACGTCATTGCGGAGCACGAGATCCGGAACATTTCTGT
CGCCGCGCAGGACCCAGAGGACCTGTGTACCTTCGCGTACATCACCAAGGACCTGCAGACGAGCCACCAC
TACTGCCACGTTTTTCAGCACAGTGGATGTGAACCTGACCTACGAGATCATCTGACCCTGGGGCAGGCAT
TTGAGTGGCCTATCAGCTGGCCCTCCAAGCCAGAAAATCCAGGACCATGGCGGCTCTGCAGCTTCGAT
GATTGAGACAAAATCCTCAAACCAGTGCCTAAGCCTCGGGTCCGCATGAGGAAGTCTGCAGTGCCTGGT
CCCCCGACTCTCGTGTGTCAGTGTACACCTGCACCACTCACCGTCTTCTACCTACCGCTGCCGT
CCGTTAGTCTGGAGTCAAGCTGGAACCACTGATTCTGACCAAGAGGCCCGTCCCACGCTAGTGTTC
CTGGATCGTGGACCCAAAGCCAGACTCGAAGCGGAGCCTCAGCACCAAGTACGAGACCTATCTTCTAA

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AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

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- Restriction Sites:** SgfI-RsrII
- ACCN:** NM\_001286040
- Insert Size:** 3570 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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\_001286040.1, NP\_001272969.1

**RefSeq Size:** 7092 bp

**RefSeq ORF:** 3570 bp

**Locus ID:** 224650

**Cytogenetics:** 17 A3.3

**Gene Summary:** Regulator of different signaling pathways. Regulates EPHA8 receptor tyrosine kinase signaling to control cell migration and neurite retraction.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). 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.