

Product datasheet for MC229433

Anks1 (NM_001286041) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Anks1 (NM_001286041) 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: >MC229433 representing NM_001286041
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGGATCGC

ATGGGGAAGGAGCAGGAGCTGCTGGAGGCGGCCGCACCGGGCACCTCCCGGCCGTGGAGAAGCTGCTGT
 CCGGGAAGCGGCTCTCCTCCGGTTCGGCGGCGGCGGCGGCTCAGGCAGCGCGCGGCTCCGGGG
 CGGCGGCTCGGTTCTTCTAGCCACCCGCTCTCCAGTCTGCTGAGCATGTGGAGAGGGCCGAACGTGAAC
 TGTGTAGATAGCACCGGCTACACGCCACTACACCACGCTGCTTTGAATGGACACAGGGATGTGGTCGAGG
 TCCCTTCTGAGGAACGACGCGCTGACCAACGTTGCTGACTCGAAAGGCTGCTACCCGCTGCACTTGGCAGC
 GTGGAAAGGAGACGCCAGATAGTACGCTGCTCATCCAGCAAGGGCCCTCACACACCAGAGTCAACGAA
 CAGAACAACGACAATGAGACGGCCCTGCACTGCGCGGCCAGTACGGCCACACGGAGGTCGTGAAGGCTC
 TGCTGGAGGAGCTCACGGACCCACCATGCGCAACAACAAGTTTGAACGCCCTGGACTTGGCGGCGCT
 GTACGGGCGGCTGGAGGTGGTGAAGCTGCTGCTGGGTGCACACCCCAATCTCCTGAGCTGCAGCACTCGG
 AAACACACGCCCTGCACTTGGCAGCAAGGAATGGCCACAAGGCCGTGGTGCAGGTCCTGCTGGACGCCG
 GCATGGATAGCAACTATCAGACGGAGATGGGCAGTGTCTTGCATGAGGCTGCTTTGTTGGCAAGACCGA
 TGTGGTGCAAATCCTGCTGGCTGCAGGAATCGATGTTAACATAAAGGATAACCGTGGCCTGACTGCCCTT
 GACACTGTCCGGGATCTGCCCTCTCAGAAGAGCCAGCAGATAGCCGCCCTGATTGAAGATCACATGACCG
 GAAAAAGAAGCGTGAAAGAAGTGGACAGGACCTCCACAGCCAGCTACCTCTCCTCTCCAACACAGACGC
 CATAGCACCAATGTCTCAGGGGAGTATGGAGAAGACAGTACTGAGCTGATCCTTCATTTTGACACACAT
 GCTGACGAGGAGGGCCCTACGAGGCACTGTACAACGCTGTGCTCCTGCCATTCTTGGACAGCACGGCCA
 GTGGACGATCATCAGACAGAGACTCCATGAACAAGGAGGCCGAGGCCACCGGAACAAGGGCTGCTGGAGT
 GAGGCTAGGGAACGTCCGCCCTCCAGCAAAACCGCCACCCGATGAAGAGGAGGAAGAACCGGTAGAT
 AAGAAGTATTTCCCTTGGCAGCCTCTGAGGGCTGGCTGTGAGACCCAGGATTCAGAGTGTGCTCCCC
 AGGAAGAGGAGGAGCACCCATATGAGCTGCTGCTCACGGCAGAAACCAAGAAGCTGGGGACCACAGACGG
 GAGGACTGAAGACCACAGGCAGAGCGGCGAGCGGCCGAGGCCAGGACTCTGTGGAGGGGCAGGACGGGCG
 GTCCCAGAGCAGTTCTCAGGTCTCCTCCACGGCTCCTCCCAAGTGTGTGAGGTGGGGCAGGACCCCTTTC



AGCTGCTCACGGCCCCAGCCAGAGCCACCCGGAGTCCTCCCAGCAGGACGCCTGCCACGAGGCCAGCAT
 GCAGCTAGAGGAGCCAGGCGTGAAGGCACTGAACCCCGCAGCCGGCGTCCCTGACCAAAGCAAGAGA
 GTGGGCTTGCCGGCAGGCCTGACAGCCCTGGCCAGCAGAACATACCTCGATGCATTGACTCACACAGTAC
 CTCTGCGCCCTGCTGGTGCCGAGGAAGAAGACCAGAGCGGGCCAGAAGCAGAGCCCTCCCACCAGCAA
 GCCAAAGCTGAGCTCAAACCTCAGCCGAGTTTGTCTAAGTCTGACTCTGACCTCCTGACCTGCTCCCC
 ACGGAGGACGCCACAATGGGGAGTCGCAGCGAGTCCTTGTCCAACCTGCAGCATCGGGAAGAAGAGTTGG
 AGAAATCACCTTCCTTTGCCTCAGAGTGGGATGAGATTGAGAAAATCATGAGCTCCATTGGGGAGGGAT
 TGACTTCTCTCAGGAGCAGCAGAAGATCTCAGGTTCTCGGACGCTGGAGCAGAGCGTCGGGGAGTGGCTG
 GAGTCGATTGGCCTGCAGCAGTACGAGAGCAAGCTGCTGCTGAACGGCTTTGATGATGTCGGCTTCTGG
 GGTCTAATGTGATGGAAGAGCAGGACCTGAGGGAGATTGGCATCAGTGACCCACAGCACCGGCGGAAGCT
 GCTGCAGGCTGCACGCTCCTTGCCCAAGGTGAAGGCCCTTGGCTATGACGGGGTACAGCCACCTCAGTG
 CCCTCATGGCTGGACTCGCTGGGGCTGCAGGACTATGTCCACTTTTCTGTCCAGTGGTACAGCTCCA
 TCGACTGTGAAGAACCTCTGGGAGCTAGAGCTTGTCAATGTCCTGAAAGTTACCTGCTGGGCCACCG
 CAAGCGCATTATCGCTCTCTAGCAGACAGGCCCTATGAGGAGCCACCCAGAAGCTCCAAGGTTTTCC
 CAGCTAAGATGCCAGGATTTAATCTCCAGACATCGTCCCGCTGAGCCAGAATGATTCTGCACAGGGC
 GGTCCGGCAGACCTGCTGCTGCCCTCAGCAGACACAAGCAGGAGCGGCACGACAGCCTGCCCGACCTGG
 GACCGCTCCCGAGCAGACCGCTTCCGAGTCCAGGAGGAGCCAGTGAGACCAAGCTGACCTCCGTCCA
 CCCAGCCTAGCCGCGCCCTATGCTCCTGTTAGAGCTGGCAGCACCAGCCAGAAAAGCTCATCTTTGAGT
 CCTGCGGTTATGAGGCCAATTATCTGGGTTCCATGCTGATCAAAGATCTGCGAGGGACAGAGTCCACCCA
 AGATGCCTGTGCCAAAATGCGGAAGTCAACGGAGCACATGAAGAAGATCCCCACCATCATCTGTCCATC
 ACGTACAAAGGTGTCAAGTTCATCGATGCTTCCAACAAGAAGCTCATTGCGGAGCAGGATCCGGAACA
 TTTCTGCGCCGCGCAGGACCCAGAGGACCTGTGTACCTTCGCGTACATACCAAGGACCTGCAGACGAG
 CCACCACTACTGCCACGTTTTTCAGCACAGTGGATGTGAACCTGACCTACGAGATCATCTGACCCCTGGG
 CAGGCATTTGAGGTGGCCTATCAGCTGGCCCTCCAAGCCAGAAAATCCAGGACCATGGCGGCCTCTGCAG
 CTTGATGATTGAGACAAAATCCTCAAACAGTGCCTAAGCCTCGGGTGGCATGAGGAAGTCTGCAGT
 GCCGGTCCCCCGACTCTCGCTGTTGTCACTGTACACCTGCACCACTACCCGTCTTCTACCTACCG
 CTGCCGTCGTTAGTCTGGAGTCAAGCTGGAACCACCTGATTCTGACCAAGAGGCCCGCTCCCACGCTA
 GTGTTTCTGGATCGTGGACCAAGCCAGACTCGAAGCGGAGCCTCAGCACCAAGTACGAGACCACTAT
 CTTCTAA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-RsrII
- ACCN:** NM_001286041
- Insert Size:** 3507 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_001286041.1](#), [NP_001272970.1](#)

RefSeq Size: 7029 bp

RefSeq ORF: 3507 bp

Locus ID: 224650

UniProt ID: [P59672](#)

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 (2) lacks an in-frame exon the 5' coding region compared to variant 1. The encoded isoform (2) is shorter than isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.