

Product datasheet for MC211285

Anks4b (NM_028085) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Anks4b (NM_028085) Mouse Untagged Clone
Tag: Tag Free
Symbol: Anks4b
Synonyms: 2010013E14Rik; AI956809; Harp
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC211285 representing NM_028085
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCTACCCGCTATACCAAGCAGCGAGTGACAGCTACCTGGAACCTTCTGAAGGAGGCCACCAAGCGTG
 ATCTGAATCTCTCAGATGAGGATGGCATGACACCCACTCTCCTGGCAGCCTACCACGGCAACCTCGAGGC
 CCTAGAAATAATCTGCAGTAGAGGTGGAGACCCTGATAAGTGTGACATCTGGGGGAACACTCCTCTACAT
 TATGCAGCCTCCAATGGCCACACTCATTGCATCTATTTCTAGTCAATTTGGTGCCAACATCTTTGCC
 TGGATAATGACTTGAAGTCTCCACTGGATGCTGCTGCTAGTAGGGAGCAGAAAGAATGTGTTGCTCTCT
 GGACAAGGCTGCCACTGTGCAGAACACCATGAACCCAAAAGAGTACCAGACTGAAGGAACAGGCTCTG
 AAGAATGCCAGGAAGCAGATGAAAGAGTGCGAACGGCTTCAGGAGAGGCACCAAAACAAGATGGCGCGCA
 CCTATAGCAAGGAGGACTCAGGGACGATTTCTTCTCCATAGTACCTTGCTAGGTCGTTTCTTTCAAC
 TACTTCAGCTGGTAGATTTGGATCACTGTCCAAAGGCATTAAGATACCTTCAAGATAAAATCTAAGAAG
 AACAAAGATAACAACAAGACAGCTAGAGAAGGACGGAAGAAGTGGCAGAGGCCTGTGATGGAAGTGTTCA
 GAGAGGAGGAAGAAGACTCATTTCAAAAGGACTTCAAAGAGAAGCTCCATTTCTCAGTAGAAGAAGATGA
 TGATGTACAACATGAGTCTATTCTCAACCGTCCGGGTCTAGGAAGTATTGTTTTAGTAGAAACAGAGTA
 CTGGACTTTGAGGACATCTCTGACAGCAAGAGGGAGTTGGGTTTTAAAATGCCCGTGGAGCTATTTCCAAA
 GACAAGGAGCAGCAGGAACAGTTGAAGAAGAAGAAGAGGAGGAGGAGGAAGAGGAGGAGAAGAGAGA
 GGCAAACGGCACTGCAGGTGATCTTCTTGGGATGAAGAAGAAGTAGAATGGGAGGAAGATGCAGTTGAT
 GCTACTCCACTGGAAGTGTCTTGCAGTCTCAGCACCTGGAGGAATTCCTTCCATTTTTATGAGAGAAC
 AGATTGATCTAGAGGCTCTGCTGCTTGGCTGCTGATGAGGACCTTCAGAATATCCACATGCAGCTGGCCC
 CAGGAAGAAAGTCTTAGTGCCATAGACAAAAGGAAGCAGGTGCTCCAACAGCCTGGCAGTTGGTTGAC
 ACCAGCCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_028085
Insert Size:	1272 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:	<ol style="list-style-type: none">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_028085.2 , NP_082361.2
RefSeq Size:	2048 bp
RefSeq ORF:	1272 bp
Locus ID:	72074
UniProt ID:	Q8K3X6
Cytogenetics:	7 64.45 cM
Gene Summary:	As part of the intermicrovillar adhesion complex/IMAC plays a role in epithelial brush border differentiation, controlling microvilli organization and length. Plays a role in assembly of the complex (By similarity). May play a role in cellular response to endoplasmic reticulum stress (PubMed:22589549).[UniProtKB/Swiss-Prot Function]