

Product datasheet for **MC217847**

4432405B04Rik (BC058375) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	4432405B04Rik (BC058375) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	4432405B04Rik
Synonyms:	4432405B04Rik; Tect2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >BC058375
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGGATCGCC

ATGCTGCTAGTTTCAGCCTCCACAATGCATCCTGCTTAGCACATCTGCTCATCCAGGTGGAGATTTATC
CCAACACATCTGTAACCCACAACGCATCAGAGAACATGACTGTCATTCTAACCAAGTCTATCAGCCCT
GGTCCCTGCCCGTGTGACTTAACAGCCAAGGCCTGTGACATTCAATGCTGCTGTGACCAGGACTGTCAG
CCAGAAGTAAGAGAGCTGTTTGACAGTCTGCTTCTCCGGCGTGTGGAGGGCACGTACGCCCTCCGT
CCCATCATCACTGCGCTGTGAGCACTACTACCAGACTCCTGACTGGTTTCCCCTCCTGTGTGTGACGTC
GCCACCCTCTACCTCGCCGTTCTTGGTCACTTCTACCACGGTGCCACTTCCCCAGACATTCCCCCGGC
TTTGAAGCCCATTTGCACTTCGACCTAAGAGACTTCGCGGATGCCAGTTACAAGCAAGGAGATCCCATT
TGACCACGGAGGGGATTTTACCATCCCCAGGTGTCTAGCTGGCAGTGTCTACAGGATGCTCCTGT
GGCTTTCCTGAGGAATTTGACAGTGTATGTACCATGGACCTGGAAGTGCACCAAGGACGAGATGAAAT
GTCTCGAGAACATGAAAATCCGCACAACAGGAGTCCGGTACACCAACAGTAACCTATGAGGAAGCCA
TTGACCTGGACAAGTTCATCACCAGCCCGACACAGTTTTAAGTGTGGATCGGCCCCAGAAAACGTGAA
TGTGGAAGAACATTATGTCTTACAGATGGCAAAATAATTCCATCAGCGGCCTAGACATCACAGTATCAGG
GCAGAAATCAGTGCCAGCAGAGAGGAATGATGACCCAGAGATTCACAGTGAAGTTTTTAAGCCATCACA
GTGGTGGTGAGAAGGAATTTTCTGAAAATCCAGGTTACCAGCTTGGCAAGCCGGTCCGAGCCCTGCATAC
CGCTGGATGAACGTGACGACACTGCACCTTGGCAGCCAGCTGGAAGGGGCCTGTGCACAGCAGCCGCT
CTCAGACCCATTTTGTGGAGAAAATGCCTTCTCTGGCTGCCTGCTGGAAGTTGGGATTAAGGAGAAT
GTACCCAGCTCAGAGAGAATGCCTTTCAGAGACTGGATTTGCTGACACAAGCAACGCACGTGGCGAGGAG
AGGCAACTCGGACTACAGTGATCTGAGTGACGGCTGGCTGGAGATCATAGTGCCGAAGCCCTGATACA
GGTGCCGACCTGCCCTTGAAGCAGCTGAATGGCGTGTGCCAGAAAGTTCCAGCCGGCTCTCCATCCGCA
TTCTCACTGCTGAAGCTGGCTCTGTGGAAGGGGTGGCTCAGCGGGAGATCCTGGCTGTGGAGACAAGGTT
TTCCACAGTGACCTGGCAGTACCAGTGTGGGCTCACTTGTGAGGACAAGGCCGACCTTCTCCCTCAGT
GCCTCTGTTGAGTTCATTAATGTCCCTGCGCAGATGCCCCACCCCTACGAGATTCAGATCAACTTCA
CAGAGTACGACTGTACCCGGAATGAGCTGTGTTGGCCCCAACTTCTGTACCCTCTGACCCAGTATTATCA
AGGGGAGCCCCAGTCTCAGTGTGTGGCCAAAGGCCTGATGCTGCTGCTACTCCTCATGCTGGCCATCCTC
CTCAGGCACCCCTGGGTGAGGATGTGCAAGCCCGGGACTCAGCTGCCATCTACCATTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: BC058375

Insert Size: 1740 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: [BC058375](#), [AAH58375](#)

RefSeq Size: 2339 bp

RefSeq ORF: 1739 bp

Locus ID: 67978

Cytogenetics: 5 F

Gene Summary: Component of the tectonic-like complex, a complex localized at the transition zone of primary cilia and acting as a barrier that prevents diffusion of transmembrane proteins between the cilia and plasma membranes. Required for hedgehog signaling transduction.
[UniProtKB/Swiss-Prot Function]