

## Product datasheet for **MR209082**

### 4432405B04Rik (BC058375) Mouse Tagged ORF Clone

#### Product data:

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



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**ORF Nucleotide Sequence:**

>MR209082 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTGCTAGTTTCAGCCTCCACAATGCATCCTGCTTAGCACATCTGCTCATCCAGGTGGAGATTTATC  
 CCAACACATCTGTAACCCACAACGCATCAGAGAACATGACTGTCATTCTTAACCAAGTCTATCAGCCCT  
 GGGTCCCTGCCCGTGTGACTTAACAGCCAAGGCCTGTGACATTCAATGCTGCTGTGACCAGGACTGTCAG  
 CCAGAAGTAAGAGAGCTGTTTGACAGTCTGCTTCTCCGGCGTGTGGAGGGCACGTACGCCCTCCGT  
 CCCATCATCACTGCGCTGTGAGCACTACTACCAGACTCCTGACTGGTTTCCCCTCTGTGTGTCAGTC  
 GCCACCCTCTACCTCGCCGTTCTTGGTCACTTCTACCACGGTGCCTTCCCCAGACATTCCCCCGGC  
 TTTGAAGCCATTGCACTTCGACCTAAGAGACTTCGCGGATGCCAGTTACAAGCAAGGAGATCCATTA  
 TGACCACGGAGGGGATTTTACCATCCCCAGGTGCTCTAGCTGGCAGTGTCTACAGGATGCTCTGT  
 GGCTTCTCTGAGGAATTTGACAGTGTATGTACCATGGACCTGGAAGTGCACCAAGGACGAGATGAAAT  
 GTCTCGAGAACATGAAAATCCGCACAACAGGAGTCCGGTACACCAACAGTAACCTATGAGGAAGCCA  
 TTGACCTGGACAAGTTCATCACCAGCCCGACACAGTTTTAAGTGTGGATCGGCCCCGAGAAACGTGAA  
 TGTGGAAGAACATTATGTCTTACAGATGGCAAAATAATTCCATCAGCGGCCTAGACATCACAGTCATCAGG  
 GCAGAAATCAGTGCCAGCAGAGAGGAATGATGACCCAGAGATTCACAGTGAAGTTTTAAGCCATCACA  
 GTGGTGGTGAGAAGGAATTTCTGGAATCCAGGTTACCAGCTTGGCAAGCCGGTCCGAGCCCTGCATAC  
 CGCTGGGATGAACGTGACACACTGCACCTCTGGCAGCCAGCTGGAAGGGGCCTGTGCACAGCAGCCGCT  
 CTCAGACCCATTTGTTGGAGAAAATGCCTTCTCTGGCTGCCTGCTGGAAGTTGGGATTAAGGAGAAT  
 CTACCCAGCTCAGAGAGAATGCTCTTCCAGAGACTGGATTTGCTGACACAAGCAACGCACGTGGCAGGAG  
 AGGCAACTCGGACTACAGTGATCTGAGTGACGGCTGGCTGGAGATCATAGGTGCCGAAGCCCTGATACA  
 GGTGCCGACCTGCCCTTGAAGCTGGCTCTGTGGAAGGGGTGGCTCAGCGGGAGATCCTGGCTGTGGAGACAAGGTT  
 TTCCACAGTGACCTGGCAGTACCAGTGTGGGCTCACTTGTGAGGACAAGGCCGACCTTCTCCCTCTCAGT  
 GCCTCTGTTGAGTTCATTAATGTCCCTGCGCAGATGCCCCACCCCTACGAGATCCAGATCAACTTCA  
 CAGAGTACGACTGTACCCGGAATGAGCTGTGTTGGCCCCAACTTCTGTACCCTCTGACCCAGTATTATCA  
 AGGGGAGCCCCAGTCTCAGTGTGTGGCCAAAGGCCTGATGCTGCTGCTACTCCTCATGCTGGCCATCCTC  
 CTCAGGCACCCCTGGGTCAGGATGTGCAAAGCCCGGGACTCAGCTGCCATCTACCAT

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR209082 protein sequence  
 Red=Cloning site Green=Tags(s)

MLLVSASHNASCLAHLIIQVEIYPNTSVTHNASENMTVIPNQVYQPLGPCPCDLTAKACDIQCCCDQDCQ  
 PEVRELFQSCFSGVFGGHVSPSSHHCASVSTTHQTPDWFPLLCVQSPSTSPFLGHFYHGATSPRHSPG  
 FEHLHFDLRFADASYKQGDPIMTTEGYFTIPQVSLAGQCLQDAPVAFLRNFDVSVCTMDLEVHQRDEI  
 VLENMKIRTTGGPVPTPTVYEEAIDLDFITSPDVL SVGSAPRNVNVEEHYVFRWQNSISGLDITVIR  
 AEISAQQRGMRTQRFVKFLSHHSGGEKEFSGNPGYQLGKPVRLHTAGMNVSTLHLWQPAGRGLCTAAA  
 LRPILFGENAFSGCLLEVGIKENCTQLRENVLQRLDLLTQATHVARRGNSDYSLSLSDGWLEIIRAEAPDT  
 GADLPLSSVNGVCPVPARLSIRILTAEAGSVEGVAQREILAVETRFSTVTWQYQCGLTCEKADLLPLS  
 ASVEFINVPAQMPHPPTRFQINFTEYDCTRNELCWPQLLYPLTQYYQGEPSQCVAKGLMLLSLLMLAIL  
 LRHPWVRMCKARDSAAIYH

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

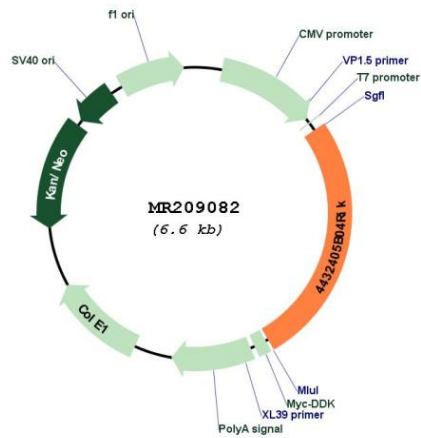
**Restriction Sites:**

Sgfl-MluI



**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]

**Product images:**

Circular map for MR209082