

## Product datasheet for **MR209571**

### **Evc (BC021464) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Evc (BC021464) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Evc
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR209571 representing BC021464  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACCTGCACTAAAGATGCGCGCTGCAGCTGGGCCGGGAAGCCCTGCAGGCGGCCGACGCTGCTGG  
 TCCCCGCGGTGCTACTGGGTGGCTTCTCGGCCTAGGCCTTGGCTTGTGGCTTGGCTGTCGCGCAGCCA  
 CTTGCGCGCACGGCTCCAGAAAGATGACAGGAAACGTCTGCTCGGGAGTTCAGAGCCCCCTGCACAGAGC  
 CTACGGGACACTGGCTCTCAAGCCAGGAGGCGCCAGAGAGAAACCGCTCGGGATGAAGACGCCCTGAGG  
 TGTGTGAGCCATCCTTGTAGTGGCAACATCACGGCATTGCACTGAAAGCCAGAGTTGTCTATCCCATCAA  
 CCAGAAGTTCCGGCTCTGGCCGACGGATCCTCCACCCATCGCTGCATGAAACCTGACACAGGCAGCG  
 GCCATCTGCCACCTGCCACCAGCCAGCAGAGGCCTCACCAGCCAGCAGCCTGGGCAGCCTGAGCC  
 AGGCTGGCAAGGAGGACGGCAGCTCCTCTCCAGCATGCGGTCAACCTACAGCGACGCCGATCCTCCA  
 GTGTGCCCTTCTCCGGGTGGCAGCTTCCCTGAGATCCTGGCCTGTGAGAGTGTGGACATTGACCTGTGT  
 GTCTGCAGCCTTCACTGAAAGACCTGCTTCAAGTAGACACGGCGCTGAGGCAAGAGAAGACCTGATGT  
 TCATTCAGATTCTTAAAGCATGCCTCCTGGATTTTTTCTAAAAAGAAGCCTGATGATGAATTATGCCA  
 GAAGGTTCTTTCCAAACAAGAGCATGATTTGGAGGAATTAGAAAAGGGACTCCAGGCCAGATTGGCGAAC  
 ACAGAAATGTTAGGCACTGGCGACTCTGGCTACGTTTCCCTGGCAGATGTGGAGAGGAAGGAGAGAGAGC  
 TCTCAGAGCAGCTCATAGACAACATGGGAGCTTCTGGAAGCAGATGGAAAGCATCCAGCCCCTCAT  
 GGACCAAGTTAAGTGTCCAGCTCCAAGCTCGGCAGTTCATGATGACTGACAGGAAGAATGATTGTC  
 GCTGAAGGACTGCTGCATGACTCTCAGGACCTGCATGCTCTGGACACCCTGGAGAGGACAATGGGTCGAG  
 CCCACTTGGCAAGAATGGTGGAGTTCCTGAGAACCAGATCCAGGAGGAGACCAAGTGCAGACTTGGCTGC  
 CATCTCCCGTGGCTGGAGTTGCTGACTGTCCAGGGCAGCTGTCTGGGAGGCAGAAGGAGGAACCTCTG  
 ACTCAGCAGCACAGGCCTTCTGGGAGGAGCAGAGCGTTTTGGCAGGAATTCATGCAGCGGGCAAG  
 ATCTGGTCCAGCGCTCACAGGCTCGCCAGGAGGAGCAGCAGCAGAGCTCACACAGACCAAGAAGAAGA  
 ACGGAGGAGTTTCTGGCTGATTCAGCTGACCTCGGATCCTGGGGAATTCCTCAAGGCTTTTCATGAG  
 GTCCTGGAGAGGACGGCTGACAAGGAGTGACCAGGAGGAGACGAGGACACCTGGATCACTGAGGCCA  
 TGGCTGCGCTCTGCCAGGAGCTGTACTGTAGCACCATGGGAACCTTCCAAAAGTTTGTGGACTCCCTGTT  
 CCTGAAGACCCTCCAGAAGTGACCAGCCTCCCTGTGGGAGAATGTGAGACCCTGCGGCAGCAGGTCAG  
 GAGCAGGACGAAGGAGCTGGGACAGGACAGCCGATTCGCAGACGACAGTGGGACTCCTATGTGATC  
 TATTGGAGCAGGACAAACGGGTGTGGCTGGAGGAGGAGTACGCTGTCCACGGTGTGCAGAGGCAGCTGCC  
 GGATCACACGAGAGCACCATCCACGGCTCTGAGCAGATTCAGTGGCCTTTCTGAAGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR209571 representing BC021464  
 Red=Cloning site Green=Tags(s)

MTCTKDARLQLGREALQAAPTLLVPAVLLGGVLLGLGLLWLCRASHLRARLQKDDRKRLLSSEPQAQS  
 LRDTGSGARRRQRETARDEDAPEVCEPSLSGNITAFALKARVVYPINQKFRPLADGSSHPSLHENLTQAA  
 AILPHLPHQPAEASPASSLGSLSQAGKEDGSSSSSMRSTYSDDRILQCAFRLRVGSFPEILACESVDIDL  
 VCSLHLKDLLQVDTALRQEKHLMFIQILKACLDFPKKKPDDELQKVLQSKQEHDLLEEKGLQARLAN  
 TEMLGTGDSGYVSLADVERKERELSEQLIDNMGAFWKQMESIQPTLMDQFKCSSSKARQFMMTLTGRMIV  
 AEGLLHDSQDLHVLDTLERTMGRAHLARMVEFLRTQIQEETKRLAAISRGLELLTVQGLSGRQKEELL  
 TQQHKAFWEEAERFGREFMQRGKDLVQASQARQAEAAELTQTQEERRSFLADSQLTSDPGEFLKAFVE  
 VLERQRLTRSDQEGDEDTWITEAMAALCQELYCSTMGTQKQFVDSLFLKTLPEVTSLPVGESETLRQQVQ  
 EQAARQLGQADRFRRRQWGLLCDLLEQDKRVWLEEGTLSTVLQRQLRDHHESTIHGVL SRFSGLSEE

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**ACCN:** BC021464

**ORF Size:** 1881 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:** [BC021464.1](#)

**RefSeq Size:** 2209 bp

**RefSeq ORF:** 1883 bp

**Locus ID:** 59056

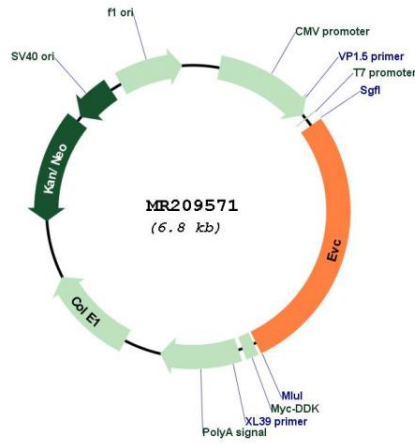
**Cytogenetics:** 5 B3

**MW:** 81 kDa

**Gene Summary:**

Component of the EvC complex that positively regulates ciliary Hedgehog (Hh) signaling (PubMed:17660199, PubMed:24582806). Involved in endochondral growth and skeletal development (PubMed:17660199).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR209571