

Product datasheet for **MC223178**

EvC (NM_021292) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EvC (NM_021292) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	EvC
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223178 representing NM_021292 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCTGCACTAAAGATGCGCGGCTGCAGCTGGGCCGGGAAGCCCTGCAGGCGGCGCCGACGCTGTCTGG
TCCCGCGGTGCTACTGGGTGGCGTTCTCGGCCTAGGCCTTGGCTTGTGGCTTGGCTGTCGCGCGAGCCA
CTTGCGCGCAGCGCTCCAGAAAGATGACAGGAAACGTCCTGCTCGGGAGTTCAGAGCCCCCTGCACAGAGC
CTACGGGACACTGGCTCTCAAGCCAAAGCCAGGAGCGCCAGAGAGAAACCACTCGGGATGAAGACGCC
CTGAGGTGTGTGAGCCATCCTTGTGAGTGGCAACATCACGGCATTTCAGCTGAAAGCCAGAGTTGTCTATCC
CATCAACCAGAAGTTCGGCCTCTGGCCGACGGATCCTCCACCCATCGCTGCATGAAAACCTGACACAG
GCAGCGGCCATCTGCCACCTGCCACCAGCCAGCAGAGGCCTCACCAGCCAGCAGCCTGGGCAGCC
TGAGCCAGGCTGGCAAGGAGGACGGCAGCTCCTCCTCAGCATGCGGTCAACCTACAGCGACGACCGGAT
CCTCCAGTGTGCCTTTCCGGGTGGGAGCTTCCCTGAGATCCTGGCCTGTGAGAGTGTGGACATTGAC
CTGTGTGTCTGCAGCCTCACCTGAAAGACCTGCTTCAGGTAGACACGGCGCTGAGGCAAGAGAAGCACC
TGATGTTCAATCAGATTCTAAAGCATGCCTCCTGGATTTTTTCTAAAAGAAGCCTGATGATGAATT
ATGCCAGAAGTTCTTTCCAAACAAGAGCATGATTTGGAGGAATTAGAAAAGGGACTCCAGGCCAGATTG
GCGAACACAGAAATGTTAGGCACTGGCGACTCTGGCTACGTTTCCCTGGCAGATGTGGAGAGGAAGGAGA
GAGAGCTCTCAGAGCAGCTCATAGACAACATGGGAGCTTTCTGGAAGCAGATGGAAGCATCCAGCCAC
TCTCATGGACCAGTTAAGTGTCCAGCTCCAAAGCTCGGCAGTTCATGATGACTCTGACAGGAAGAATG
ATTGTCGTGAAGGACTGCTGCATGACTCTCAGGACCTGCATGTCCTGGACACCTGGAGAGGACAATGG
GTCGATCCCCTTGGCAAGAATGGTGGAGTTCCTGAGAACCAGATCCAGGAGGAGACCAAGTGCAGACT
TGCTGCCATCTCCCGTGGCCTGGAGTTGCTGACTGTCCAGGGGACGCTGTCTGGGAGGCAAAAGGAGGAA
CTCTGACTCAGCAGACAAGGCCTTCTGGGAGGAGGCAGAGCGTTTTTGGCAGGGAATTCACGCGCGGG
GCAAAGATCTGGTCCAGCGTCTCAGGCTCGCCAGGCAGAGGCAGCAGCAGAGCTCACACAGACCCAAGA
AGAAGAACGGAGGAGTTTCTGGCTGATTTCCAGCTGACCTCGGATCCTGGGGAATTCCTCAAGGCTTTT
CATGAGGTCTGGAGAGGACGCGCTGACAAGGAGTGACCAAGAGGGAGACGAGGACACCCGAATCACTG
AGGCCATGGCTGCGCTCTGCCAGGAGCTGTACTGTAGCACCATGGGAACCTTCCAAAAGTTTGTGGACTC
CCTGTTCTGAAGACCCTCCAGAAGTGACCAGCCTCCTGTGGCAGAATGTGAGACCCTGCGGCAGCAG



GTCCAGGAGCAGGCAGCAAGGCAGCTGGGACAGGCAGACCGATTCCGCAGACGACAGTGGGGACTCCTAT
 GTGATCTATTGGAGCAGGACAAACGGGTGTGGCTGGAGGAGGGTACGCTGTCCACGGTGTGCAGAGGCA
 GCTGCGGGATCACCACGAGAGCACCATCCACGGCGTCTGAGCAGATTAGTGGCCTTTCTGAAGAGTCC
 TCACGAGGCATCCTGCAGGGCCACGAAGTGTCTGTCTGTCTGCTGCTGCGCAGACTGGCCCTCCGAGGCA
 CCACCATCACTGCCCTGGCTCAGATGAGGCTGTCTGGGAAGAAGAGGCTCCTGCAGGAGCTACATGAGCA
 GCTGGCATTAGAGCAGGGTGTGTCCCATGCCTGGAGGAGCATCAATGGCAGCTGCTTAGAGCCCTGGAG
 GCGCGGATCCAGGAGGAGGCAGCCAGGTTGGAGGATGAGGCACAGCAGACAGGCTGCGGCTCCAGCAGC
 AGCTGCTGGCGGAGGCACAGGAGGCAGGGCGGCTGCTACAGTGCACATGGAGCGGGTCATTGGGCAGGC
 GCTGCTGGTACATGCTAGGAATGTTGCCAGCAAAGGCCGACCAGGGAGAAGGAAGACTTCAAGAGGACG
 CTGGTAGAGACGGTGGTGGAGAGTGTGTATGTGACCAGCACTAGTGTCAACCGCCTCGTGCAGGCGCATT
 ACCAGGCCGTCGGGAAGCTCCTGCAGGCTCATGAGGAACAATTGCTGCAGCGCTAAAGACCCTGCAGGG
 AGAGAGAATCAATGCTTACAAGCTGTGGAAGAAGCAAGAATTGAGTACCCGTCGTTGGAGAGTCAAACA
 GCGGATGGTACCCATGGAGCTTCCAGGGGGTACAGCAGAGGATGCTTTCGAGCAGAAGAGGCTCCTGG
 ACCAGTTCACGAAGCATCAGCAAGGCCCTGAACTCTCAGAGGCAGAAGGCACAAGAGCTGGACCAGCT
 GCAAGCCAGCTTGAACCCAGCTGCAGGAAGCTGAGCAGACCCTTATCTCAGAGCTATCGACATTGGCC
 CGAGTACCCCTTCTGAGAAACAAGCCATTCTCCAACAAGCGAGGACTTCCAGAAAAGCCAGTAAGAACCA
 AAAGGAAGAAACCCACCTCGGGAGAGAGAGGACCTGGGGACACCAAACGATGACCACCTTGCCTTGGC
 CGACCACACCACAGGACCACTCAGTACAACCTACTCAGCATCGCCTCCCATCCGTGTCCACAGCGCGGA
 AGGCTGGATCAGCAGGACAGCGAAGCTGGCGATGGAGAAAGCACAAGCAAGATACTGCAGAAAGGAAGCA
 ATCTGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_021292
- Insert Size:** 3018 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:** [NM_021292.2](#), [NP_067267.2](#)
- RefSeq Size:** 4317 bp
- RefSeq ORF:** 3018 bp
- Locus ID:** 59056

UniProt ID: [P57680](#)

Cytogenetics: 5 B3

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]