

## Product datasheet for MC207893

### Clic5 (NM\_172621) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Clic5 (NM\_172621) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Clic5  
**Synonyms:** 5730531E12Rik; B330005L24; Gm322; jbg  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC207893 representing NM\_172621  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGACGGACTCAGCGACAACTAATGGGGACGACAGGGACCCCGAGATCGAGCTCTTCGTGAAGGCTGGGA  
 TCGACGGGAAAGCATTGGCAACTGTCCCTTCTCTCAGCGTCTTTCATGATCCTCTGGCTGAAAGGAGT  
 CGTGTTCAATGTCACCACCGTGGATCTGAAAAGAAAGCCAGCCGATCTACACAACCTGGCTCCTGGCAGC  
 CACCCGCCCTTCCTGACCTTCAATGGGGATGTGAAGACAGATGTCAACAAGATTGAAGAGTTCCTGGAGG  
 AGACCCTAACCCCGAGAAGTACCCCAAACCTGGCTGAAAAACACCGGGAATCTAACACCGCGGCATCGA  
 CATCTTCTCCAAGTTCTCAGCCTACATCAAAAACCAAACAACAGAACAATGCTGCCCTTGAGAGAGGC  
 TTGACAAAGGCGCTGAGGAAGCTGGATGACTACCTAACAGCCCTCTGCCAGAGGAGATTGACACCAACA  
 CCCACGGGGACGAGAAGGGTCCCAGCGCAAGTTCCTGGATGGGGATGAGCTGACCCTGGCCGACTGCAA  
 TCTGCTGCCAAGCTGCATGTGGTCAAGATTGTGGTAAGAAGTACCGAAACTATGACATCCCAGCTGAG  
 ATGACAGGCTTGTGGCGATACCTCAAGAATGCCTATGCACGGGACGAGTTCACCAACACCTGTGCAGCTG  
 ACAGTGAGATCGAGTTGGCCTACGCAGATGTGCCAGGCGCCTCAGCCGATCG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_172621  
**Insert Size:** 756 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_172621.2</a></u> , <u><a href="#">NP_766209.1</a></u>
<b>RefSeq Size:</b>	5870 bp
<b>RefSeq ORF:</b>	756 bp
<b>Locus ID:</b>	224796
<b>UniProt ID:</b>	<u><a href="#">Q8B XK9</a></u>
<b>Cytogenetics:</b>	17 B3
<b>Gene Summary:</b>	Required for normal hearing (By similarity). It is necessary for the formation of stereocilia in the inner ear and normal development of the organ of Corti. Can insert into membranes and form poorly selective ion channels that may also transport chloride ions. May play a role in the regulation of transepithelial ion absorption and secretion. Is required for the development and/or maintenance of the proper glomerular endothelial cell and podocyte architecture (PubMed:17021174). Plays a role in formation of the lens suture in the eye, which is important for normal optical properties of the lens (PubMed:29425878).[UniProtKB/Swiss-Prot Function]