

Product datasheet for **MC221642**

Cep89 (NM_028120) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cep89 (NM_028120) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cep89
Synonyms:	2610507L03Rik; Ccdc123
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221642 representing NM_028120
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTCCTCAGCTTCCGCAGGAACCGCCGGAGCCAGTTCAACCACATCATCCATGGCTTCTCCCCGCAG
 CCAGCATCGTCCGAAGCCAGCGGTGCCACGCACACCCCTCCTCGGAGCCCAACCTTCTCCAGAGAG
 GCCCAGGTCTGCTCTGGCTGCAGCCATCCTGGCAACCACGTTGACTGGGAGACAGTTGCCATTCCCAG
 CCTCGCCAGAGATCTCGGTCTGAGAGTGATGCCTCCGACATTGAAAAGGACAGCTTCATCAAGCCTTACG
 CCACCCTTCCGAGCTGAGGCTGCGGCAAAGCTGGCAGAATGAGCCGAGAAGGACGTATTACCATCCTT
 TGAGATGTTAGGCTACGGGGAGGATGAAGATGCTGAAACACAGGTGTCAACCAGCTGCAGGGAGTCAGAG
 TCCACCTGGAAGGATGTGGGAGATGGCAGAGATGCTACATACTGTGCCTCACAGGGACCAGTACTGC
 CATCCCAAAGCTGGTGAGAAAGGATGATGCTCCTCAACCAGACTGGCTTTCAGACTCCTCCTCCTCCTC
 CTCTCCTCAACACCACAGCACACTCAGCAGAAAGATGTTAAACTCTGTTCTGAATCTAGAGGGTGAG
 AAAGTCCGGTTGCATGAAAAGCCTCCTCCTCCCCAGATGTAGCTGGTAGAATACATCAAAGATATACAG
 AAATAACCAAAGAAAAGTTTGGCGAGTTAAAAGAGAAACTGTGCATCTGTACTCTGCAAACCAAGCCCT
 CAGCTGTGAAGTGAAGCTCTGAGACAGGCAATGAAGGACTTACAGCTGAAGCTCAAGTTGGTGGAAAA
 GACAACAGGAAGCTGAAGGAGACGGAAAAGGCTTCTGTGAGGAAGGAGTACACCTGAATTGCTTTGCC
 TAAGGAAGCAAAGCAAGACCTGGTGGATGAAAACGAGGGGCTGAAGATGATTGTCCATCGATTGAACGT
 AGAACTCAGTCGTAACAAACAAAATTCAGGCCCTTGTCTGAGGAAGAGAGTTCCCATATCCAAGGCCCTC
 CCATCCAAGGGCCCAACACCACCTGGTGGTGGATATAAAGTATCTCTCACCAGTGTGCTGGCTTATG
 AAGACAGAATGAAAGAGAAGGACAAAACAGCACCGCCCTGGAGGAGGAAATGAAAACCTTTAGGCTTCG
 AGTTCAGGAAGTCGTGAAGGAAAACGAAGCCTTGCAACCAAGAGTTAACTAAGAGAAGCCCGTCACCGTA
 GAGGAATGGAGGCAGCTTCAGACTCAAGCAGAGCTGGTTCTAGATGAGAACAAGCTGCTGATAGAGCAGT
 TGGAGATTGAGCAAGCAAAGCCAGGGACACCCACCAGGCGCACCTCCAGGACGTTTCTAAGCTGACTAA
 ACAACTTGTGCTCCTGGAAGCAAAGACTCAGGGCCAGGAAAAGCAGCTCGTGAAAGCACGGAGCAGCTG
 GAGAGCTTGCAGGCCAAATGCACAGAGCTCAAGGCACAGCTGGATAGCAAGATCGCAGTGGACGTCATA
 CATCAATTGTCAATGAATAAAAAGCCAGTTGCAAAGGAAGAAGAGAAAAGACAGTGCTGAGATGGAGGA
 GCTGATGGCAAAGCTGACGGCCCTACAGGTGCAGAAGAAGAGCCTGCTTCTGGAGAAGAGCAGCTGGGCC
 ACCAGGAACAGAGCGCTAGAGGCCGAGCTGGAGCGCACCGCAAGGCCAACAGGGCATACAAAAGAGAA
 TTGATGTCTCAGAAAGCAAGTAGAAAAGGCCATGGGGAAGGAGATGTCTGCTCACCAGTACCTGGCAA
 CCTGGTGGGCTTGGCAGAGACTGTCAACCAAGGAACGAGACAGTCTTAAGTATTTGGCTCAGTGTTAGAG
 AGCGAGAAGCATGGGGTCTCAACAAAATCCTGAAAGGCAACATTCGCCTGGGCAAGCTGGAGGAGAGGG
 TAAAGGGGTACAAGAAGCAGGCAGCACTGAAGCTGGGGGATATCCATCACCGCCTGAAGGAACAGCAGGA
 GGACTTTGCCGGCAAAGCAGCTCAGTACCAGAAGGAGGTGAAGCACCTACATCGGATGCTGCAGGAAAAG
 CAGGAGGTCTGGATGAGGCGTGCAGCAGAAAAGAAATATGGAAGGTGAGCTTGAATGGTCTGGAGT
 CCACTGCCAAGGAGAACAGGAGGATGCGGAGCCTTCTCCAGGCCACCCTGGAGAGAAGAAGCACACAGCA
 CGTCACAGCTCCTCCGGACACTTGTGAGAGCCTCCTCAGGGAGACCTACTGATTGGCCATGATTTCC
 AGCTATGGTGATGTGCAGCTTCTGGCTACCACCAACCGCCAGAGTCTGGGGAATCTATGGCG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_028120
Insert Size: 2376 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:	<ol style="list-style-type: none">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_028120.2 , NP_082396.1
RefSeq Size:	2567 bp
RefSeq ORF:	2376 bp
Locus ID:	72140
UniProt ID:	Q9CZX2
Cytogenetics:	7 B2
Gene Summary:	Required for ciliogenesis. Also plays a role in mitochondrial metabolism where it may modulate complex IV activity (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the protein-coding variant. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.