

## Product datasheet for **MR203897**

### 6720467C03Rik (BC020162) Mouse Tagged ORF Clone

#### Product data:

|                           |                                                                   |
|---------------------------|-------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                               |
| Product Name:             | 6720467C03Rik (BC020162) Mouse Tagged ORF Clone                   |
| Tag:                      | Myc-DDK                                                           |
| Symbol:                   | 6720467C03Rik                                                     |
| Synonyms:                 | 6720467C03Rik; Fam92a1                                            |
| Mammalian Cell Selection: | Neomycin                                                          |
| Vector:                   | pCMV6-Entry (PS100001)                                            |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                              |
| ORF Nucleotide Sequence:  | >MR203897 ORF sequence<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**C

ATGTTGAGGCGCAATCTGGATGAGCGAGATGCTCAAACAAAACAACGCAGGATGCTGTACAAAATGTAG  
 AGAAGCATTTTGGAGAGCTTTGCCAAATCTTGCTGCTTATGTACGAAAACTGCCAGGCTTCGAGACAA  
 AGCCGACCTCCTAGTGAACGAAATCAACCTGTATGCCTCTACCGAGACACCAATTTAAAGCAGGGTCTG  
 AAAGACTTTGCTGATGAGTTTGCCAAACTCAAGATTATCGCCAGGCAGAGGTTGAAAGACTTGAAGCCA  
 AAGTAGTTGAACCTTTGAAAGCTTATGGGACCATTGTAAAGATGAAGCGAGATGATCTCAAAGCAACATT  
 AACAGCAAGGAATCGAGAAGCCAAACAGCTATCTCAGTTAGAAAGGACACGCCAGCGAAACCCATCTGAT  
 CGACATGTAATTTGCGAGGCAGAACTGAATTACAGAGAGCCACGATTGATGCTACCCGCACAAGTCGTC  
 ATTTGGAGGAACTATTGACAATTTTGAAGAGCAGAAAAATAAGGACATAAAGAACATATTATCTGAGTT  
 CATCACAATTGAAATGTTATTTTCATGGAAGCTTTAGAGGTCTTCACTGCTGCCTACCAAAATATACAA  
 AAAATTGATGAGGATGAAGACCTAGAGGTTTTCCGAAATCTCTGTATCTATCAGATTATCCATCTCGCT  
 TAGATATTGTAAGAGCAAATTCAAAGTCACCTCTTCAGAGATCATTGTCAACTAAGTGCACATCTGGAAC  
 TGGACAGATATCCACCTGCCGAACAAGGAAGGACCAACAAGTAGAAGATGAAGATGATGAAGAATTAGAT  
 GTTACAGAAGATGAAAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA


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**Protein Sequence:** >MR203897 protein sequence  
 Red=Cloning site Green=Tags(s)

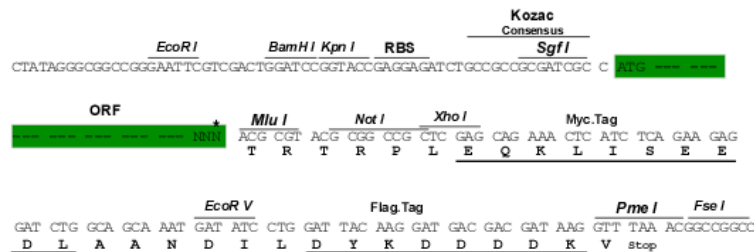
MLRRNLDERDAQTKQLQDAVTNVEKHFGELCQIFAAVVRKTARLRDKADLLVNEINLYASTETPNLKQGL  
 KDFADEFAKLQDYRQAEVERLEAKVVEPLKAYGTIVKMKRDDLKATLTARNREAKQLSQLERTRQRNPSPD  
 RHVISQAETELQRATIDATRTSRHLEETIDNFEKQKIKDIKNILSEFITIEMLFHGKALEVFTAAYQNIQ  
 KIDEDLEVFNRSLYLSDYPSRLDIVRANSKSPLQRSLSKCTSGTGQISTCRTRKDQQVEDEDEELD  
 VTEDEN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** BC020162

**ORF Size:** 858 bp

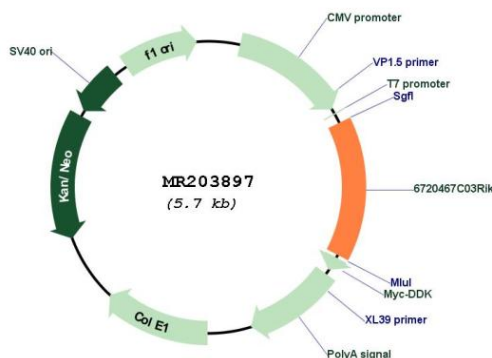
**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone 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).

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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>Note:</b>                  | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>RefSeq:</b>                | <u>BC020162</u> , <u>AAH20162</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>RefSeq Size:</b>           | 1112 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 860 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Locus ID:</b>              | 68099                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Cytogenetics:</b>          | 4 A1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>MW:</b>                    | 33.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Gene Summary:</b>          | Probable regulator of ciliogenesis involved in limb morphogenesis (PubMed:30395363). In cooperation with CBY1 it is involved in the recruitment and fusion of endosomal vesicles at distal appendages during early stages of ciliogenesis (By similarity).[UniProtKB/Swiss-Prot Function]                                                                                                                                                                                                                               |

## Product images:



Circular map for MR203897