

Product datasheet for **MG203897**

6720467C03Rik (BC020162) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	6720467C03Rik (BC020162) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	6720467C03Rik
Synonyms:	6720467C03Rik; Fam92a1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203897 representing BC020162 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGTTGAGGCGCAATCTGGATGAGCGAGATGCTCAAACAAACAACCTGCAGGATGCTGTACAAATGTAG
AGAAGCATTTTGGAGAGCTTTGCCAAATCTTTGCTGCTTATGTACGAAAACTGCCAGGCTTCGAGACAA
AGCCGACCTCCTAGTGAACGAAATCAACCTGTATGCCTCTACCGAGACACCAATTTAAAGCAGGGTCTG
AAAGACTTTGCTGATGAGTTTGCCAAACTTCAAGATTATCGCCAGGCAGAGGTTGAAAGACTTGAAGCCA
AAGTAGTTGAACCTTTGAAAGCTTATGGGACCATTGTAAAGATGAAGCGAGATGATCTCAAAGCAACATT
AACAGCAAGGAATCGAGAAGCCAAACAGCTATCTCAGTTAGAAAGGACACGCCAGCGAAACCCATCTGAT
CGACATGTAATTTGCGAGGCAGAACTGAATTACAGAGAGCCACGATTGATGCTACCCGCACAAGTCGTC
ATTTGGAGGAACTATTGACAATTTTGAAGAGCAGAAAAATAAGGACATAAAGAACATATTATCTGAGTT
CATCACAATTGAAATGTTATTTTCATGGAAGCTTTAGAGGTCTTCACTGCTGCCTACCAAAATATACAA
AAAATTGATGAGGATGAAGACCTAGAGGTTTTCCGAAATCTCTGTATCTATCAGATTATCCATCTCGCT
TAGATATTGTAAGAGCAAATTCAAAGTCACCTCTTCAGAGATCATTGTCAACTAAGTGCACATCTGGAAC
TGGACAGATATCCACCTGCCGAACAAGGAAGACCAACAAGTAGAAGATGAAGATGATGAAGAATTAGAT
GTTACAGAAGATGAAAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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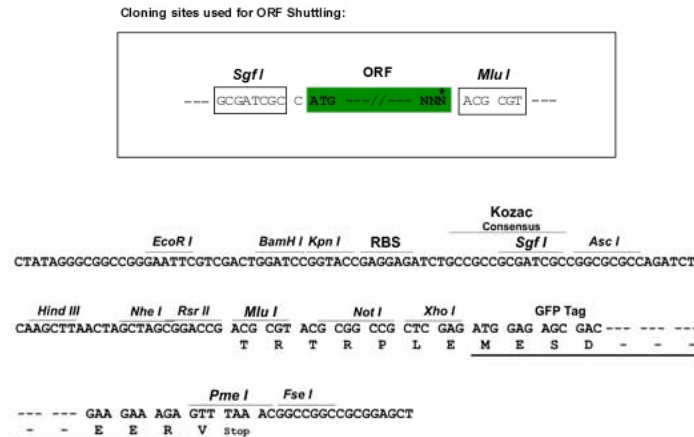
Protein Sequence: >MG203897 representing BC020162
 Red=Cloning site Green=Tags(s)

MLRRNLDERDAQTKQLQDAVTNVEKHFGELCQIFAAAYVRKTARLRDKADLLVNEINLYASTETPNLKQGL
 KDADEFKQLQDYRQAEVERLEAKVVEPLKAYGTIVKMKRDDLKATLTARNREKQLSQLERTRQRNPSPD
 RHVISQAETELQRATIDATRTSRHLEETIDNFEKQKIKDIKNILSEFITIEMLFHGKALEVFTAAYQNIQ
 KIDEDLEVFRNSLYLSDYPSRLDIVRANSKSPQLQSLSTKCTSGTGQISTCRTRKDQQVEDEDEELD
 VTEDEN

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



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).

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC020162](#), [AAH20162](#)

RefSeq Size: 1112 bp

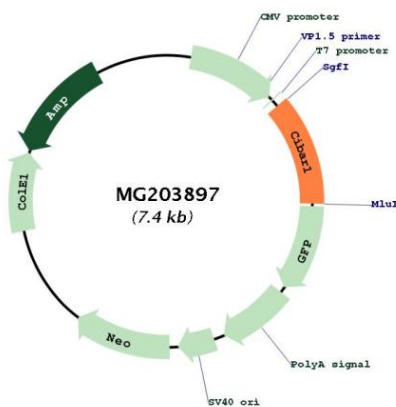
RefSeq ORF: 860 bp

Locus ID: 68099

Cytogenetics: 4 A1

Gene Summary: 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 MG203897