

## Product datasheet for **MG206102**

### Cabs1 (NM\_027631) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cabs1 (NM\_027631) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Cabs1  
**Synonyms:** 4931407G18Rik; AI428159; Clph  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG206102 representing NM\_027631  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTGAAGATGGATCGCCAAAATTTATTCTCGACCTCCAAGAGACAACAGTAAAACACCAACGGAAG  
CAGACATTTTCTTTGGGCTGACAACACCATTCTAAATCAGAAACAACATTACCTCGGAAGGAGACCA  
CGTTACTTCAGTAAATGACTGCACACCGGATGGTATTTTCACTACAGTCAACAAGCTCACACCTACA  
AAGGAAAACTCAAATTAGAAGATGATATTGAAGGCTGTCTGAAATTAACAACCTTCCAGAGAAAGAAA  
TTACCACTCCAACCTGAACTCCAACCTCAAACTAAGGGTCAATTACTGAAAATTTTCATTCCAGTGAA  
AATTGGAAATACCTCATCCCAGTTGGTACTGTTCTTTAATAGATTTTCCAGTAACACGGCAAAAGAA  
GATATCTTCTTAACCACCATTCACACAGGAGAAAAAGAAGTCGTACCCACTACTGAGTTCTCTGGCACAC  
TAGAGGACAGTGTCTGATGTGGAGGATGCCTCTGGATTTCCAGATGAAAGCACTGAAACTGATGTTCC  
TTCCTCTGCCACCTCAGATGCTCCTGATGATGGAGCTGTTTCAGGTCAGTACTCCTTTAGTCTGAGGCT  
GGAGTCCCCCTCAACTGAAAAGGAGGTCACCACCATTCAGACATAACCAACATTGCAGAAGAGAATG  
TAACTGAGATCAAATTGATTGTTTCAGAAGATAGGCCAAAACCTGTGACTAACTAAGTACTCCGAAGA  
AGAAAAATTTACTACTGTTTTGAACTCACTAACTCGGCTGAAAAAGCCAAAGATAATGTGAAGATCCT  
TTAAATGATGAGGAATCGACTGATGGAGCTAATGATTGGATGAAAAAGAACTGCAAGTGAGGCAGAGT  
CCATGCTGTTCTGCTCACTGCTGTGGAATCGAGGTATGACTTTATTGTCACTGCCTCAGAAACTGACAA  
CGTCATGGAGGAATCACATGTGAACACCACAGATTTGCCTGAAAACGAGACAACAGAGTCTGTCACTAAT  
GTCACAGAGGAGCTTCCTTCAGTGACCTCTATAGTAGATACCCTTAAGGACAAGGAGGACTTATCTACCA  
CCAACCTCCGGTCTCTTCAAACCTGCTGAAAGAAGAACCAGACGATCTCATGATG

**ACCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >MG206102 representing NM\_027631  
 Red=Cloning site Green=Tags(s)

MAEDGSPKIYSRPPRDNSTKPTTEADIFFGADNTIPKSETTITSEGDHVTSVNDCTPDGDFSTTVNKLTP  
 KEKLLKLEDDIEGCLKLTTLPEKEITTPTEPNKPKGSITENFIPVKIGNTSSPVGTVSLIDFSSNTAKE  
 DIFLTTIDTGEKEVPTTEFSGLTEDSAADVEDASGFPDESTETDVPSSATSDAPDDGAVQVTDSEF  
 GVPSTEKEVTTIPDITNIAEENVTEIKLIVSEDRPKTVTKLSDSEEEKFITVFELTNSAEKAKDNVEDP  
 LNDEESTDGDANDWMEKETASEAESHAVLLTAVESRYDFIVTASETDNVMEEHVNTTDLPENETTESVTN  
 VTEELPSVTSIVDTLKDKEGLSTNSGLFKLLKEEPDDLMM

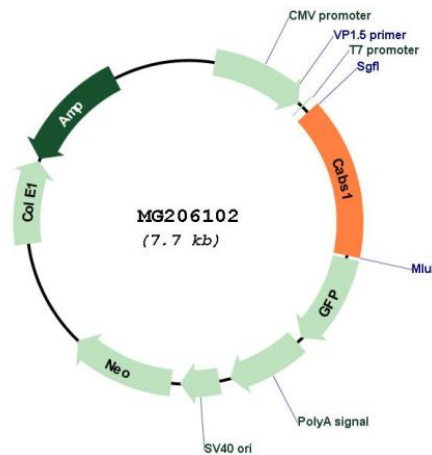
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_027631

<b>ORF Size:</b>	1173 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_027631.3</a>
<b>RefSeq Size:</b>	1522 bp
<b>RefSeq ORF:</b>	1176 bp
<b>Locus ID:</b>	70977
<b>UniProt ID:</b>	<a href="#">Q8C633</a>
<b>Cytogenetics:</b>	5 E1
<b>Gene Summary:</b>	Calcium-binding protein (PubMed:19208547). Essential for maintaining the structural integrity of the sperm flagella (PubMed:33440775).[UniProtKB/Swiss-Prot Function]