

## Product datasheet for **MG201333**

### **Agr3 (BC023499) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Agr3 (BC023499) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Agr3  
**Synonyms:** BCMP11; E030025L21Rik; Gm888  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG201333 representing BC023499  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTACATTCCGCTCTGGCCCTCTGCCTCTTGCTGATCACAGTTTCTTCAAACCTTGCCATTGCTATCA  
AAAAAGAAAAGAGACCTCTCAGACACTCTCAAGAGGATGGGGAGATGACATCACATGGGTGCAAACCTTA  
CGAAGAAGGTCTTTTCATGCTCGAAAAGTAACAAACCACTGATGGTTATTCACCACCTGGAGGACTGT  
CAGTACTGTCAAGCACTAAAAAAGGAATTTGCCAAAAATGAAGAAATACAAGAAATGGCACAAAATGACT  
TCATCATGCTGAATCTCATGCATGAGACCACGGACAAGAATTGTCACCTGATGGGCAGTACGTGCCAG  
GATCATGTTTGTGACCTTCTTTGACTGTCAGGGCTGATATAACTGGAAGATACTCTAACAGACTATAC  
ACGTATGAACCCAGGACTTACCATGTTGGTAGACAACATGAAGAAAGCACTAAGACTTATCCAGTCAG  
AGTTG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >MG201333 representing BC023499  
**Red=Cloning site Green=Tags(s)**

MLHSALALCLLLITVSSNLAIAIKKEKRPPQTLSRGWDDITWVQTYEEGLFHARKSNKPLMVIHLED  
QYCQALKKEFAKNEEQEMAQNDFIMLNLMHETDKNLSPDGQYVPRIMFVDPSTVVRADITGRYSNRLY  
TYEPQDLPMLVDNMKKALRLIQSEL

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI





<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="#">BC023499</a></u> , <u><a href="#">AAH23499</a></u>
<b>RefSeq Size:</b>	845 bp
<b>RefSeq ORF:</b>	497 bp
<b>Locus ID:</b>	403205
<b>Cytogenetics:</b>	12 A3
<b>Gene Summary:</b>	Required for calcium-mediated regulation of ciliary beat frequency and mucociliary clearance in the airway. Might be involved in the regulation of intracellular calcium in tracheal epithelial cells.[UniProtKB/Swiss-Prot Function]