

## Product datasheet for **MG202995**

### 2310007H09Rik (BC065789) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	2310007H09Rik
Synonyms:	2310007H09Rik
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

**ORF Nucleotide Sequence:** >MG202995 representing BC065789  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGCCCGCATGGGCTGAGCGGCTGACGGGCGTGCGGGGAGTGCTGCTTGACATCTCCGGGTGCTATGTG  
ATAGCAGCGCAAGCGGTGCAACCGCTATCGCAGGCTCTGTGGAGGCAGTGGCGAGACTGAAACAGTCCCC  
GCTGAAAGTGAGTTTCTGTACCAATGAGTCCCAGAAATCCCTGAGAGAGCTGGTGGGGTGCTTCAGCAG  
CTGGGGTTTGACATCTCAGAAGAAGAGGTGACTGCCCTGCACCAGCCACCTGCCAGATCCTGAAGGAGC  
GAGGCCTGCGGCCACACTTGCTTATCCATGAAGGAGTCCGCTCAGAATTTGATGACATCGATATGTCCAA  
CCCAAAGTGTGGTGATTGCGGATGCTGGGGAGGCCTTTTCTATCAGAACATGAACAGAGCCTTCCAG  
GTGCTAATGGAGCTGAAAACCCGTGCTCATATCCCTGGGAAAAGGACGCTATTACAAGGAGACCTCTG  
GCCTGATGCTGGACGTTGGAGTTACATGAAGGCGCTCGAGTATGCCTGTGGTATCAAGGCTGAAGTGGT  
GGGAAAACCCCTCCCTGAGTTCTTCAAGTCTGCTCTACAAGCCATAGGGGTGGAAGCCACCCAGGCCATC  
ATGATTGGCGATGACATCGTGGGTGACGTTGGCGGTGCCAGCAGTGTGGAATGAGAGCTCTGCAGGTGC  
GGACCGGGAAGTTCAGACCCAGATGT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



**Protein Sequence:** >MG202995 representing BC065789  
 Red=Cloning site Green=Tags(s)

MAAWAERLTGVRGVLLDISGVLCDSSASGATAIAGSVEAVARLKQSPKRVFCTNESQKSLRELVGLVQQ  
 LGFDISEEEVTAPAPATCQILKERGLRPHLLIHEGVRSEFDDIDMSNPNCVVIADAGEAFSYQNMNRAFQ  
 VLMELLENPVLISLGKGRYYKETSGLMLDVGGYMKALEYACGIKAEVVGKPSPEFFKSALQAIGVEAHQAI  
 MIGDDIVGDVGAQQCGMRALQVRTGKFRPRC

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** BC065789

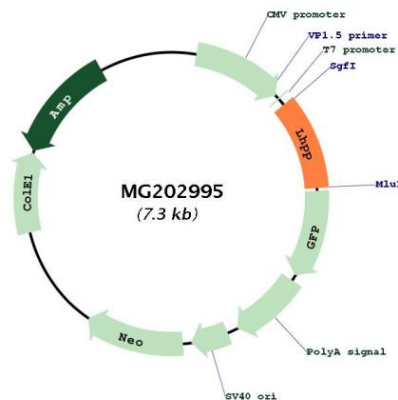
**ORF Size:** 726 bp

**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><a href="#">BC065789</a></u> , <u><a href="#">AAH65789</a></u>
<b>RefSeq Size:</b>	1062 bp
<b>RefSeq ORF:</b>	728 bp
<b>Locus ID:</b>	76429
<b>Cytogenetics:</b>	7 F3
<b>Gene Summary:</b>	Phosphatase that hydrolyzes imidodiphosphate, 3-phosphohistidine and 6-phospholysine. Has broad substrate specificity and can also hydrolyze inorganic diphosphate, but with lower efficiency (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**

Circular map for MG202995