

## Product datasheet for **MG200996**

### Hbb-y (NM\_008221) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Hbb-y (NM\_008221) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Hbb-y  
**Synonyms:** Ey; Hby  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG200996 representing NM\_008221  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGTGAACCTTTACTGCTGAGGAAAAGACCCTCATCAATGGCCTGTGGAGTAAGGTCAATGTTGAAGAGG  
 TTGGTGGTGAAGCCTTGGGAAGGCTTCTTGTGTGTACCCATGGACCCATAGATTTTTTGACAGCTTTGG  
 GAACCTTGCTCTGCTTCTGCCATAATGGGCAACCAAGGGTCAAAGCCCATGGCAAGAAGGTGCTGACT  
 GCTTTTGGAGAGTCCATTAAGAATCTAGACAACCTCAAGTCTGCCTTGGCCAAGCTCAGTGAAGTCACT  
 GTGACAAGCTACATGTGGATCCTGAGAACTTCAAACCTTTGGGTAATGTGCTGGTATTGTTTTGGCTAG  
 TCACTTCGGCAATGAATTCACAGCTGAGATGCAGGCTGCCTGGCAGAAGCTGGTGGCTGGGTGGCCACT  
 GCGCTGTCCCACAAGTACCAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG200996 representing NM\_008221  
 Red=Cloning site Green=Tags(s)

MVNFTAEEKTLINGLWSKVNVEEVGGEALGRLLVYYPWTHRFFDSFGNLSASAIMGNPRVKAHGKVLV  
 AFGESIKNLDNLKSALAKLSELHCDKLVHPENFKLLGNVLVIVLASHFGNEFTAEMQAAWQKLAVGVAT  
 ALSHKYH

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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<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>NM_008221.4</u>
<b>RefSeq Size:</b>	621 bp
<b>RefSeq ORF:</b>	444 bp
<b>Locus ID:</b>	15135
<b>UniProt ID:</b>	<u>P02104</u>
<b>Cytogenetics:</b>	7 54.85 cM
<b>Gene Summary:</b>	Hemoglobin epsilon chain is a beta-type chain found in early embryos.[UniProtKB/Swiss-Prot Function]