

## Product datasheet for MC201130

### Hao (NM\_025325) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Hao (NM\_025325) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Hao  
**Synonyms:** 3-HAO; 3-HAOxase; 3HAO; 0610007K21Rik; 0610012J07Rik  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC012872 sequence for NM\_025325  
 CGCAGATCGCATCACTCCAACCTCCCGATTACCTGGCCACCACGTTGTGGGCAGAAGAGTCTGCCTGCC  
 GGCCATGGAACGCCGTGTGAGAGTGAAGTCTTGGGTAGAAGAGAATCGGGCCTCCTTTCAGCCTCCGGTT  
 TGCAACAAGCTTATGCACCAGGAGCAGCTCAAAATCATGTTTCGTTGGAGGCCCAATACCAGGAAGGATT  
 ATCACATTGAAGAGGGTGAAGAGGTGTTTTACCAGCTGGAGGGAGACATGATACTACGAGTCTGGAGCA  
 GGGGCAACACCGGGACGTGCCTATACGGCAGGGAGAGATATTCCTCCTGCCTGCCAGGGTGCCTCCACTCC  
 CCGCAGAGGTTTGCCAACACCATGGGGCTGGTATTGAGAGAAGGCGGCTGGAGAGCGAGCTGGATGGGC  
 TGAGGTATTACGTGGGGGACACTGAGGATGTCCTCTTCGAGAAATGGTTCCACTGTAAGGACCTTGGCAC  
 GCAGTTAGCACCCATCATCCAAGAGTCTTCCACTCTGAGCAATACCGAACAGGAAAACCAACCTGAC  
 CAGCTGCTCAAGGAGCTGCCATTCCCGTGAATACACGGTCCATCATGAAGCCCATGTCATTGAAGGCCCT  
 GGCTGGATGGCCACTCCAGGGAGCTTCAGGCAGGCACATCCCTAAGCCTGTTTGGGGACAGCTATGAGAC  
 CCAGGTCAATTGCCACGACAAGGTAGCAGCAAAGGCCCAAGGCAGGATGTGGATGTGTGGCTGTGGCAA  
 CAGGAGGGCTCCTCTAAGGTGACAATGGGAGGGCAGTGTATAGCCCTGGCCCCAGATGACAGCCTGCTGG  
 TGCTGTGGAACCTCGTATGTGTGGGAGCGAGCAAGGCTCTGTGGCCTTGTCTGTGACACAAGACCC  
 TGCCCGTAAGAAGCCATGGTGGTGACCTCCTGTGTGCGCCCCAAGCAGCCACAGGGTGCCTGAGTAATG  
 ACCTGGTAGCTGCCATTTCCAGACAGCTCTTTCAGCCTCATTGCATCTCCATGGACATCAGCAGGCCCC  
 TTGAGTGGTTGAGAGCTGCACTGGCATCAACCCTCCTGCCTAGCTCAGCCCAGGATGCCAGACTCCTAG  
 GACATCAGCAGTCCCCGATCTTCTAACAGCCATAGCCCTACACTGTCCCCATGTGCCAGCAGCCTGACA  
 CTAAGAAATCTCTCAATAAAGGCATCCTGCTGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA  
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_025325  
**Insert Size:** 861 bp



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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="#">BC012872</a> , <a href="#">AAH12872</a>
<b>RefSeq Size:</b>	1286 bp
<b>RefSeq ORF:</b>	861 bp
<b>Locus ID:</b>	107766
<b>UniProt ID:</b>	<a href="#">Q78JT3</a>
<b>Cytogenetics:</b>	17 E4
<b>Gene Summary:</b>	Catalyzes the oxidative ring opening of 3-hydroxyanthranilate to 2-amino-3-carboxymuconate semialdehyde, which spontaneously cyclizes to quinolinate.[UniProtKB/Swiss-Prot Function]