

Product datasheet for **MC208648**

Hao1 (NM_010403) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hao1 (NM_010403) Mouse Untagged Clone
Tag: Tag Free
Symbol: Hao1
Synonyms: GOX; Gox1; Hao-1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC208648 representing NM_010403
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTTGCCTCGACTGGTCTGCATCAGTGATTATGAACAGCATGTCCGATCAGTGTTCAGAAGTCAGTGT
ATGACTATTACAGGTCTGGGCAAATGATCAGGAGACGTTAGCTGATAACATCCAAGCATTTTCTAGATG
GAAGCTCTATCCACGGATGCTTCGCAACGTTGCTGATATCGATCTGTCAACTTCTGTTTTAGGACAGAGA
GTCAGCATGCCAATATGTGTTGGGGCTACTGCCATGCAGTGCATGGCTCACGTGGACGGGAGCTGGCCA
CTGTGCGAGCCTGTCAGACCATGGGAACGGCATGATGCTGAGTCTTGGGCTACCTCCTCAATAGAAGA
AGTGGCAGAAGCTGGCCAGAGGCACTTCGCTGGATGCAACTGTACATCTACAAAGACCGTGAGATCAGC
AGACAGATAGTGAAGCGAGCTGAGAAGCAGGGTTACAAGGCCATATTTGTGACTGTGGACACCCCTTACC
TGGGCAACCGCATTGATGACGTGCGGAACAGGTTCAAGCTGCCACCACAACCTCAGGATGAAAACTTTGA
AACCAATGATTTGGCATTCTCCTAAGGGAAATTTGGAGACAACAGTGGACTTGCTGAATATGTGGCA
CAAGCTATAGACCCATCTCTCAGCTGGGATGATATTACATGGCTCAGACGATTGACATCACTGCCTATTG
TTGTAAGGGCATTGAGAGGTGATGATGCCAAGGAAGCTGTTAAACATGGTGTGGATGGGATCTTGGT
GTCGAATCATGGGCGCGACAACCTGGATGGGGTGCCAGCTACTATTGATGTCCTGCCAGAGATTGTTGAG
GCTGTGGAAGGAAGGTAGAAGTCTTCTGGATGGGGGAGTAAGGAAAGTACTGATGTTCTCAAAGCTC
TGGCCCTAGGAGCCAAGGCCGTTTTTGTGGGAAGACCCATCATCTGGGGCTTGGCTTTCCAGGGGGAGAA
AGGTGTTCAAGATGTCCTCGAGATATTGAAGGAAGAATCCGACTGGCCATGGCTCTGAGTGGGTGCCAG
AATGTGAAAGTCATCGACAAGACATTGGTGAAGAAAAATCCTTTGGCTGTTTCCAAGAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_010403



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Insert Size:	1113 bp
OTI Disclaimer:	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).
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).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	<u>NM_010403.2, NP_034533.1</u>
RefSeq Size:	2029 bp
RefSeq ORF:	1113 bp
Locus ID:	15112
UniProt ID:	<u>Q9WU19</u>
Cytogenetics:	2 65.65 cM
Gene Summary:	Has 2-hydroxyacid oxidase activity. Most active on the 2-carbon substrate glycolate, but is also active on 2-hydroxy fatty acids, with high activity towards 2-hydroxy palmitate and 2-hydroxy octanoate (By similarity).[UniProtKB/Swiss-Prot Function]