

Product datasheet for **RN210816**

Hao1 (NM_001107780) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hao1 (NM_001107780) Rat Untagged Clone
Tag: Tag Free
Symbol: Hao1
Synonyms: Gox1; XDH1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN210816 representing NM_001107780
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTTGCCTCGGCTGGTCTGCATCAGTGACTATGAACAGCATGCCCGACAGTGCTTCAGAAGTCAGTAT
ATGATTATTACAAGTCTGGGCAAATGACCAGGAGACTTTGGCTGATAATATCAGAGCATTTTCTAGGTG
GAAGCTCTATCCACGGATGCTGCGCAACGTTGCTGATATCGACCTGTCGACTTCTGTTTTAGGACAGAGA
GTGAGCATGCCAATATGCGTTGGGGCTACGGCTATGCAGTGCATGGCTCATGTGGATGGGAGCTGGCCA
CTGTTTCGAGCCTGTCAGACCATGGGAAGTGGCATGATGTTGAGTTCCTGGGCCACTTCTCAATAGAAGA
GGTGGCAGAGGCTGGCCCGGAGGCACTTCGCTGGATGCAACTCTACATCTACAAAGATCGTGAGGTCAGC
AGTCAGCTAGTGAAGAGGGCTGAGCAGATGGGTTACAAGGCCATATTTGTGACTGTGGACACCCCTTACC
TGGGAAATCGCTTCGATGATGTGCGGAACAGGTTCAAGCTACCACCACAGCTCAGGATGAAAACTTTGA
AACCAACGATTTGGCATTCTCCTAAGGGGAATTTGGAGACAACAGTGGCCTTGCTGAATATGTGGCA
CAAGCCATAGACCCATCTCTCAGCTGGGATGATATTAATGGCTCAGACGTTGACCTCACTGCCATTG
TTGTAAAGGGAATTTTGAGAGGTGATGATGCCAGGAAGCTGTTAAACATGGTGTGGATGGGATCTTATG
GTCGAATCATGGGACAGACAACACTGGATGGGGTCCAGCTACTATTGATGCCCTGCCAGAGATCGTTGAG
GCTGTGGAAGGGAAGGTAGAAGTCTTCTGGATGGGGAGTCAGGAAAGGCACCGATGTTCTCAAAGCTC
TGGCCCTGGGAGCCAGAGCTGTTTTGTGGGAGACCCATCATCTGGGGCTTGGCTTTCCAGGGGAGAA
AGGTGTTCAAGATGTCCTCGAGATACTGAAGGAAGAGTCCGGCTGGCCATGGCTCTGAGTGGGTGCCAG
AATGTGAAAGTCATCGACAAGACATTGGTGAGGAAAAATCCTTTGGCTGTTTCCAAGAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001107780



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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_001107780.2, NP_001101250.1</u>
RefSeq Size:	1527 bp
RefSeq ORF:	1113 bp
Locus ID:	311446
Cytogenetics:	3q36
Gene Summary:	catalyzes the oxidation of glycolate to glyoxylate and H2O2; may be involved in response to oxidative stress [RGD, Feb 2006]