

Product datasheet for **MC202935**

Hao2 (NM_019545) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hao2 (NM_019545) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hao2
Synonyms:	A1325478; Hao-2; Hao3; Haox3
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC027754 sequence for NM_019545
 CCACGCGTCCGGACCCACGCGTCCGCCACGCGTCCGCCACGCGTCCGGGCTTTGCATGGCTACCTCTA
 CATACTGCTATTGCTGGCTATTGGAAGACCTTAGTGTCAGAATCTTCTTGTGTACAAGCCCTGAATGGT
 TGACCAACCCAAGTTCCTACAGCATCTTTCAGCTGTTGATCTCACTCTTTCGTTCTATTGGAGAACT
 ACCGGCCAGCAATGTCTTTGCTGTGTTGGCAGACTTTAAGGCACAAGCACAAAAGCAGCTGTCTAAGA
 CCTCCTGGGATTTTATTGAAGGAGAAGCTGATGATGGCATAACCTACAATGACAACCTGGCAGCATTTAG
 AAGAATCCGCCTCCGCCACAGATACCTGAGAGATGTGTCAAAGATAGACACCAGGACCACAATCCAAGGG
 CAGGAGATCAATGCCCCATTTGCATCTCACCCACAGCCTTTCATTCAATTGCCTGGGCAGATGGAGAAA
 AGAGCACAGCTAAAGCTGCTCAGAAGGCCAACATCTGCTATGTCATCAGCAGTTATGCCAGCTATACTGT
 GGAAGACATTGTTGCTGCTGCCCTGGAGGCTCCATTGGTTCCAACCTTATGTGCAGCCAGACTGGGAC
 ATCAACAAGCAGATGGTTCAGAGGATAGAAGCCTTGGGTTTCAAAGCTTGGTGGTCACTGTAGATGCGC
 CTGTACTTGCCAATAGGCGAGGGAACAAGAGAAGCCTGCTGGATTTGGAGGCAAACATAAAGCTGAAGGA
 TCTCCGATCCCCTGGAGAGCAAGTCTGGACTTCTACTCCCCTGTCTATGCCAAGTACATCTTCTCTGC
 TGGAAATGATCTCCCCTTGTTCAGAGTATGACTCGTTGCCATTATCCTCAAAGGGATTTTGACAAAAG
 AGGATGCAGAATTAGCAGTGAAGCACAACTCCGAGGCATCATTGTTTCCAACCATGGCGGGAGGCAGCT
 TGATGAGGTTCCCTGCATCTATTGATGCTCTGAGAGAAGTGGTGGCTGCCGTCATGGGAAAATTGAAGTG
 TACATGGATGGTGGGGTTCGAACCGCAATGATGTGTTGAAGGCACTAGCCCTTGGAGCTAGGTGCATTT
 TTCTTGGGAGACCAATCATTGGGGCTTGCCTGCAAGGGTGAAGATGGTGTAAAGGAAGTTTTAGATAT
 TCTAAAAGAAGAACTCCACACTTGTATGGCCCTTTCAGGCTGCCGGTCAGTTGCTGAGATCAGTCCAGAC
 CTGATTCAGTTCTCCAGATTATAAGGACCTACTGAGATTGGCTACAAGAGAAAGACAAGCTTTCAACATA
 GTGTGTGATGCTGTTCTTCTGGGTCCCATTATAATAGAAGTTAAGCCCTCTACCCTCAAAAATTGAG
 ACAGATGGAGAAAAGATAGGCTACAGCTACCAGAGGGTGCATTTGGATGAAGAAAACATCTAATGTTT
 TACAGGAAACTAGAGTTAACAAATTAATTGACTATATCAAAAAGCCATGTTCTAGCAAGAAAGGAAATAGT
 TAGATCTGATGTGACATACCAGTTACCTTCATTTGATCAGTAGTGCATTATACATAATTGAAATGTCATA
 CTGTGCCATAATTATGTGTAATTACTATGTATCAATTAATAATATCAATATATGTTCAAAAAGAAATGGGG
 ACAGGGTTATCCTGATTTTATTCCCTCCTGCAAGAAATATTTTTAAAACATCAATATATGTAGTCA
 AATTCTGAAGCATAGTACAGCATGTGAATTATTCAAGTTTCTGTCACAGCATGTTACAGAAATATTATGA
 TCTATTGCCTAATGTCCATTGTTAACAGAAGCTGACCTCAATAAAAAACAAGAGGAAGATTTTGAAACT
 CATATTTAAAACCTTATGACTAAATTAATAAATATCCAGTCATTTACTGATACATGAAAAAGAAGA
 TATCTTTATTCTGGTCATAATCATTGTCAAAATAAATCTAAGCCTTTTCAATGAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_019545

Insert Size: 1062 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:

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: [BC027754](#), [AAH27754](#)
RefSeq Size: 2029 bp
RefSeq ORF: 1062 bp
Locus ID: 56185
UniProt ID: [Q9NYQ2](#)
Cytogenetics: 3 42.9 cM
Gene Summary: Has 2-hydroxyacid oxidase activity. Most active on medium-chain substrates.
[UniProtKB/Swiss-Prot Function]