

Product datasheet for **MC200225**

Dohh (NM_133964) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dohh (NM_133964) Mouse Untagged Clone
Tag: Tag Free
Symbol: Dohh
Synonyms: 1110033C18Rik; AI585913; AL022869; Hlrc1
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC002295 sequence for NM_133964
 GCAGCGACTCTCCATCTGTCCCAGATATACCGAGCTTATTGACGAGTCCCTGTAGACGAAAACACGGT
 TTCTACTGCCTAGAATCCGGCCTTGCAGATCACGTGCTGGGAGGCCGTTGCCATGGTAACGGAGCAAGA
 GATAGAGGCCATAGGGAAGACCTTGGTGGACCCCAAGCAGCCCTGCAGGCCCGCTTCCGGGCCCTATTT
 ACACTTCGGGGGCTTGGTGGCCCTGATGCTATCTCGTGGATCAGCCGGGGCTTTGAGGACAGCTCTGCTC
 TTCTGAAGCACGAGCTGGCCTACTGCCTGGCCAGATGAGGGACGTACGGGCCATCCCTGTGCTGGTGGG
 TGTGCTGCAGGACACGAGCCAGGAGCCCATGGTGCCTCACGAGGCAGGGGAAGCCCTGGGGGCGATTGGT
 AACCCGGAAGTTCTAGGCCTCCTGAAGCAGTATTCTACGGACCCAGTGGTTGAGGTGGCTGAGACGTGCC
 AGCTCGCCGTTGGTCTAGAGTGGCTACAGCAGCACCCGGGGAGGCCACATGTGCAGGACCCTACCT
 CTCAGTGGACCCAGCACCCCTGCAGCAGAGCAGGATGTGGGAGGCTGCGGGAGGCCCTGCTGGATGAG
 GCACGGCCACTCTTTGAGCGATACCGTGCATGTTTGCCTGCGCAATGTGGGTGGCAAGGAGGCTGCCT
 TGGCCCTGGCTGAAGGCCTGCAGTGTGGCAGTGCCTCTTCCGCCACGAGGTGGGCTATGTGCTGGGTCA
 GCTGCAGCACGAGGCAGCTGTGCCCGGGCTGGCAGCCACATTGGCGCGGACCACTGAGAGTCCCATGGTG
 CGGCACGAGTGCAGAGGCCCTGGGTGCCATCGCCAGACCTGCCTGCCTGGCTGCATTGCGAGAGCACA
 TTGAGGACCCTGAGCAGGTGGTGCAGGAGAGCTGCGAGGTGGCCCTGGACATGTATGAGTATGAGAGCAG
 CCAGGATTTCCAGTATGCAGACGGGCTGGAGCGCCTGCGGCCACCACCCTAACCTAGCGCCTGGCTGCCT
 GCCCTGGGGTGCCTCCTCTGCTGCTGCCCTGGCCCCGGCCATGTGTGCTGTGCCTCACATCCAGGTTTA
 GGGAGCAGAGCAGCTGAGGGGCCCTGTGCCACTCGCCTCACCTCCTTGTGGGTGCTGTCTGCTCTGT
 GGTTCTGTCTCCCATGCCCTCCACCAGCAGAGGTGGCAGTGCAGACGCTTGCAGGGTTGGGAAAGTTG
 TGGGGCAAGGGTGTGTGGGTACACCTCCCATCTGGGTCAAGCAGGGAGTACAAGCCAGCCCCAGCGTG
 CTGCATGAATAAAATAAGTTATTTTTACAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_133964
Insert Size: 909 bp



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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:	BC002295 , AAH02295
RefSeq Size:	1377 bp
RefSeq ORF:	909 bp
Locus ID:	102115
UniProt ID:	Q99LN9
Cytogenetics:	10 C1
Gene Summary:	Catalyzes the hydroxylation of the N(6)-(4-aminobutyl)-L-lysine intermediate produced by deoxyhypusine synthase/DHPS on a critical lysine of the eukaryotic translation initiation factor 5A/eIF-5A. This is the second step of the post-translational modification of that lysine into an unusual amino acid residue named hypusine. Hypusination is unique to mature eIF-5A factor and is essential for its function.[UniProtKB/Swiss-Prot Function]