

## Product datasheet for SC324917

### DOHH (NM\_001145165) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DOHH (NM_001145165) Human Untagged Clone
Tag:	Tag Free
Symbol:	DOHH
Synonyms:	hDOHH; HLRC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC324917 representing NM_001145165. Blue=Insert sequence Red=Cloning site Green=Tag(s)

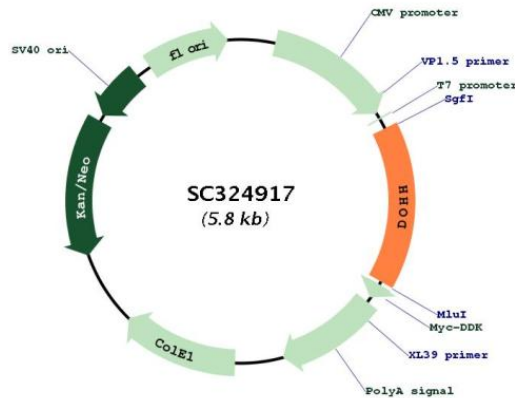
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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGTGACGGAGCAGGAGGTGGATGCCATCGGGCAGACGCTGGTGGACCCCAAGCAGCCCCTGCAGGCC
CGCTTCCGGGCGCTGTTACAGCTGCGTGGGCTCGGCGGCCAGGCGCCATTGCATGGATCAGCCAGGCC
TTCGATGACGATTCCGCCCTGCTCAAGCAGAGCTGGCCTACTGCCTGGCCAGATGCAGGATGCCCGC
GCCATCCCCATGCTGGTGGACGTGCTGCAAGACACCCGTCAGGAGCCCATGGTGCCCATGAGGCAGGG
GAGGCCCTGGGGCCATCGGGGACCCGGAAGTTCTGGAGATCCTGAAGCAGTATTCCTCGGACCCCGTC
ATCGAGGTGGCCGAGACCTGCCAGCTGGCCGTGCGCAGGCTGGAGTGGCTGCAGCAGCACGGCGGGGAG
CCGGCGGGCGGACCCTACCTCTCCGTGGACCCTGCCCGCCGGCTGAGGAGCGTGACGTGGGGCGCCTG
CGGGAGGCGCTGCTGGATGAGTCCCGGCCGCTCTTCGAGCGATACCGCGCCATGTTCCGCCCTGCGCAAC
GCGGGAGGCGAGGAGGCCGCCCTGGCGCTGGCCGAGGGTCTGCACTGTGGGAGCGCCCTCTCCGCCAC
GAGGTCCGCTACGTCTGGGACAGCTGCAGCACGAGGCGCGGTGCCACAGTGGCGGCCGCCCTGGCC
CGATGCACCGAGAACCCATGGTGCAGCAGAGTGCAGGAGGCCCTGGGCGCCATTGCCCGGCCGCC
TGCTGGCCGCGCTGCAGGCTCACGCGGACGACCAGAGCGCGTGGTGCAGTGCAGGAGTGCAGGTTGGCT
CTGGACATGTATGACACGAGACCGGGCGGGCTTCCAGTACGCGGACGGCCCTGGAGCAGCTGCGCGGG
GCCCCCTCCTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



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Plasmid Map:



ACCN: NM\_001145165

Insert Size: 909 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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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: [NM\\_001145165.1](#)

RefSeq Size: 2050 bp

RefSeq ORF: 909 bp

Locus ID: 83475

UniProt ID: [Q9BU89](#)

Cytogenetics: 19p13.3

MW: 32.9 kDa

**Gene Summary:** This gene encodes a metalloenzyme that catalyzes the last step in the conversion of lysine to the unique amino acid hypusine in eukaryotic initiation factor 5A. The encoded protein hydroxylates deoxyhypusine to form hypusine in the mature eukaryotic initiation factor 5A protein. Alternative splicing results in multiple transcript variants.[provided by RefSeq, Feb 2009]

Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.