

Product datasheet for **SC321509**

DOHH (NM_031304) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DOHH (NM_031304) Human Untagged Clone
Tag:	Tag Free
Symbol:	DOHH
Synonyms:	hDOHH; HLRC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_031304.2
 GGTGGTGGCAGAGGCGCCTGCGGTTACTGGCCGGGCCGACGGGTCTGAGTCTCCAGAGC
 TCGGTGAGGCGTCCCGGAGGCGGCGATCACGGTCTTACATCCCCGCGTCCCAGGTTTA
 GCCTGAGCAGGGTTGTGGAAGGCCGGGACCCATTGACAGCACGATGGTGACGGAGCAGGA
 GGTGGATGCCATCGGGCAGACGCTGGTGGACCCCAAGCAGCCCTGCAGGCCCGTTCCG
 GCGCGTGTTCACGCTGCGTGGGCTCGGCCGCCAGGCGCCATTGCATGGATCAGCCAGGC
 CTTGATGACGATTCCGCCCTGCTCAAGCACAGCTGGCCTACTGCTGGGCCAGATGCA
 GGATGCCCGGCCATCCCCATGCTGGTGGACGTGCTGCAAGACACCCGTCAGGAGCCCAT
 GGTGCGCCATGAGGCAGGGGAGGCCCTGGGGGCCATCGGGGACCCGGAAGTTCTGGAGAT
 CCTGAAGCAGTATTCTCGGACCCCGTCATCGAGGTGGCCGAGACCTGCCAGCTGGCCGT
 GCGCAGGTGGAGTGGCTGCAGCAGCACGGCGGGGAGCCGGCGGGGACCCTACCTCTC
 CGTGGACCCTGCCCGCCGGCTGAGGAGCGTGACGTGGGGCGCTGCGGGAGGCGCTGCT
 GGATGAGTCCCGCCGCTCTTCGAGCGATACCGCGCCATGTTCCGCTGCGCAACGCGGG
 AGGCGAGGAGGCCGCCCTGGCGTGGCCGAGGGTCTGCACTGTGGGAGCGCCCTTCCG
 CCACGAGGTCCGCTACGTCTGGGACAGCTGCAGCACAGGCGGGGTGCCCCAGCTGGC
 GGCAGCCCTGGCCGATGCACCGAGAACCCATGGTGCAGCAGAGTGCAGGAGGCCCT
 GGGCGCCATTGCCCGGCCCGCCTGCCTGGCCGCGCTGCAGGCTCACGCGGACGACCCAGA
 GCGCGTGGTGCCTGAGAGCTGCGAGGTGGCTCTGGACATGTATGAGCACGAGACCGGGCG
 GGCTTCCAGTACGCGGACGGCCTGGAGCAGCTGCGCGGGGCCCCCTCCTAGGGCCCCAC
 CCTACCCGGAGTCCCGGAGGACTCTTGAGGGCCGCTCTCCCCCGCAGAGCTTTGGCG
 TCTAAACCGGGTGTGTAAATCGGTGTATCGCTTGTGTCTTGTGCTGGGCGCACGGTTGC
 TGTCCCCCTCCTCCGCTGGGACCGAGGAGTCCGCTTGTGCTGTGACTCCCTGAGTCCC
 CTGACTCTCCTCGGGGCTGGCGCAGGGCTGTAGCGTGAAGTTTCCAGGCTTGGGGTG
 GACTCTGCGGGAGGCTCTGGGATGCCCGCTCAGGACAGGGGAGGATTGCGAGGGAAGC
 CAGGGGAGGATCGCGAGGGAAGCCAGGGGAGGATCGCGAGGGAAGCCAGGGGAGGATCGC
 GAGGGAAGCCAGGGGAGGATCGCGAGGGAAGCCAGGGGAGGATCGCGAGGGGAGCCAGGG
 GAGGATCGCGAGGGAAGCCAGGGGAGGCTGGGGCTCTGGGAAGAGGCTGACGTTATGG
 TGGCTTACGTTCACTAGGAATGGGACACAGGGTCTGGGGCCTCTGACTCCCCACCCC
 GAGGCCTGGGTAGGGACAGGGTGGTGGTCCCTGGGTGGGTGAGTGGGCACAGGGGCCA
 GGGAGGGACAAGCAGACCTCAGAGCGCTGCCAGATGGAATATTAATTTTGGCAA
 AACAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_031304

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_031304.2](#), [NP_112594.1](#)

RefSeq Size: 1772 bp

RefSeq ORF: 909 bp

Locus ID: 83475

UniProt ID: [Q9BU89](#)

Cytogenetics: 19p13.3

Domains: HEAT_PBS

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 (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein.