

Product datasheet for RN214509

Dohh (NM_001025006) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Dohh (NM_001025006) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Dohh
 Synonyms: RGD1304783
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >RN214509 representing NM_001025006
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGTAACAGAACAGGAGGTAGAGGCCATAGGGAAAACCCCTAGTGGACTCCACGCAGCCCTGCAGGCC
 GCTTCCGTGCCCTGTTTACCCTGCGGGGACTTGGTGGCCCGATGCTATCTCCTGGATCAGCCGAGGCTT
 TGAGGACAGCTCTGCCCTTCTGAAGCACGAGCTAGCCTACTGCCTGGCCAGATGAGGGACCCACGAGCC
 ATCCCTGTGCTGGTGTCCGTCTACAGGACAGGAACCAGGAGCCCATGGTGCCTCATGAGGCAGGGGAA
 CACTGGGGGCGATTGGTAACCCGAAAGTTCTAGGCCTCCTGAAGCAGTATTCCACCGACCCAGTGGTTGA
 GGTGGCTGAGACGTGCCAGCTCGCCGTTAGGCGTCTAGAGTGGCTGCAGCAGCACCCGGGGAGGCCACA
 TGTGCAGGACCCTACCTCTCAGTAGATCCTGCACCCCTGCGGCAGAAGGTGATGTGGGGCGGCTGCGGG
 AGACCCTGCTGGATGAGGCGCAGCCACTTTCGAGCGGTACCGTGCATGTTTGCCTGCCAATGTGGG
 TGGCAAGGAGGCTGCCTTGGCCCTGGCTGAAGGCCTGAAGTGTGGCAGTGCCTCTTCCGACACGAGGTG
 GGCTATGTGCTGGGTGAGTGCAGCAGCAAGCAGCCGTGTCTGAAGTGGCAGCCACATTGGCAGGACCA
 CTGAGAGCCCCATGGTACGACATGAGTGGCAGAGGCCCTGGGTGCCATGCCAGGCCTGCCTGCCTGGC
 TGCACTGCGGGAGTACATCACGGACCCTGAGCGAGTGGTGGGGAGAGCTGCGAGGTAGCACTGGACATG
 TATGAGTATGAAAATGGCCAGGACTTCCAGTACGCAGATGGGCTCGAGCGCTGAGGCCACCGCCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_001025006
 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:	NM_001025006.1 , NP_001020177.1
RefSeq Size:	1541 bp
RefSeq ORF:	909 bp
Locus ID:	314644
UniProt ID:	Q5PPJ4
Cytogenetics:	7q11
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]