

Human P4HB ORF

Catalog Number: HG10827-M



Sino Biological Inc.
Biological Solution Specialist

General Information

Gene Bank Ref. ID : NM_000918.3

ORF Size: 1527

Gene Name Synonym:

DSI; GIT; PDI; PHDB; PDIA1; PO4DB;
PO4HB; PROHB; ERBA2L; P4HB

Source: Human

Description

ORF Description:

ORF Clone of Homo sapiens procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), beta polypeptide DNA.

Vector :

Commercial available pMD Vector

Sequence Description:

Identical with the Gene Bank Ref. ID sequence except for four point mutations: 88C/A, 714C/T and 1365T/C not causing the amino acid variation, 289C/T resulting in the amino acid 97Arg substitution by Cys.

Shipping

5-10µg Plasmid DNA is shipped on Whatman FTA elute card (Cat. No.: WB120410) at room temperature.

It would take 3-5 days for delivery typically. For bulk orders, additional 1-2 weeks would be needed.

Usage Protocol

1. Remove the marked edge in the center of the spot.
2. Transfer the filter paper to a 1.5ml microfuge tube containing 50-100 µl of sterile H₂O. Ensure the filter is completely immersed in the H₂O by briefly centrifuging the tube for 10 seconds.
3. Transfer the tube to a heating block at 95°C for 15–30 min
4. At the end of the incubation period remove the sample from the block and pulse vortex, or gently tap, the sample approximately 60 times
5. Briefly centrifuge for 30 seconds, to separate the matrix from the elute. The elute now contains the purified DNA

ORF Sequence and Quality Control

Sequence:

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ATGCTGCGCCGCGCTCTGCTGTGCCTGGCCGTGGCCGCCCTGGTGCGCGC
CGACGCCCCGAGGAGGAGGACCAGCTCCTGGTGTGAGGAAAAAGCAACT
TCGGGAGGCGCTGGCGGCCACAAAGTACCTGCTGGTGGATTCTATGCC
CCTTGGTGTGGCCACTGCAAGGCTCTGGCCCTGAGTATGCCAAAGCCGCT
GGAAAGCTGAAGCAGAAGTTCCGAGATCAGGTTGGCCAAGGTGGACGC
CACGGAGGAGTGTGACCTGGCCAGCAGTACGGCGTGTGCGGCTATCCCA
CCATCAAGTTCTTCAGGAATGGAGACACGGCTTCCCCAAGGAATATACAG
CTGGCAGAGAGGCTGATGACATCGTGAAGTGGCTGAAGAAGCGCACGGCC
CGGCTGCCACCACCTGCTGACGGCGCAGCTGCAGAGTCTTGGTGGGA
GTCCAGCGAGGTGGCTGTATCGGCTTCTCAAGGACGTGGAGTCGGACTC
TGCCAAGCAGTTTTGTCAGGCAGCAGAGGCCATCGATGACATACCATTGG
GATCACTTCCAACAGTGTGCTTCCAAATACCAGCTGCAGAAAAGATGGG
GTTGTCTCTTTAAGAAGTTTGTGATGAAGGCCGGAACAACCTTTGAAGGGGAG
TCACCAAGGAGAACCCTGCTGGACTTTATCAAAACAAACCAGCTGCCCTTGT
CATTGAGTTCACCGAGCAGACAGCCCGAAGATTTTTGGAGGTAAATCAA
GACTCACATCTGCTGTTCTTGCCCAAGAGTGTGTCTGACTATGACGGCAA
CTGAGCAACTTCAAAACAGCAGCCGAGAGCTTCAAGGGCAAGATCCTGTTC
ATCTTTCATCGACAGCGACCCACCGACAACCAGCGCATCCTCGAGTTCTTT
GGCCTGAAGAAAGGAGAGTGGCCGGCCGTGCGCCTCATACCCTGGAGGA
GGAGATGACCAAGTACAAGCCGAATCGGAGGAGCTGACGGCAGAGAGGA
TCACAGAGTTCTGCCACCCTTCTGGAGGGGCAAAATCAAGCCCCACCTGA
TGAGCCAGGAGCTGCCGGAGGACTGGGACAAGCAGCCTGTCAAGGTGCTT
GTTGGGAAGAACCTTTGAAGACGTGGCTTTTGTGAGAAAAAAAACGTCCTTT
TGGAGTTCATGCCCATGTTGTGGTCACTGCAAAACAGTTGGCTCCCATTG
GGATAAACTGGGAGAGACGTACAAGGACCATGAGAACATCGTCATCGCCAA
GATGGACTCGACTGCCAACGAGGTGGAGGCCGTCAAAGTGCACAGCTTCC
CCACTCAAGTTCTTCTGCCAGTGGCCGACAGGACGGTCATCGATTACAA
CGGGGAACGCACCGCTGGATGGTTTTAAGAAATTCTGGAGAGCCGGTGGCCA
GGATGGGGCAGGGGATGATGACGATTCGAGGACCTGGAAGAAGCAGAGG
AGCCAGACATGGAGGAAGCAGTATCAGAAAAGCTGTGAAAGATGAACTGT
AA
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Quality Control:

The sequencing result is available upon request.

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