

Product datasheet for **RC227828**

P4HA2 (NM_001142599) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	P4HA2 (NM_001142599) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	P4HA2
Synonyms:	MYP25
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC227828 representing NM_001142599
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAACTCTGGGTGCTGCATTGCTGATGGCCTGGTTTGGTGTCTGAGCTGTGTGCAGGCCGAATTCT
 TCACCTCTATTGGGCACATGACTGACCTGATTTATGCAGAGAAAGAGCTGGTGCAGTCTCTGAAAGAGTA
 CATCCTTGTGGAGGAAGCCAAGCTTTCCAAGATTAAGAGCTGGGCCAACAAAATGGAAGCCTTGACTAGC
 AAGTCAGCTGCTGATGCTGAGGGCTACCTGGCTCACCTGTGAATGCCTACAACTGGTGAAGCGGCTAA
 ACACAGACTGGCCTGCGCTGGAGGACCTTGTCTGCAGGACTCAGCTGCAGGTTTTATCGCCAACCTCTC
 TGTGCAGCGGCAGTTCTTCCCCTGATGAGGACGAGATAGGAGCTGCCAAAGCCCTGATGAGACTTCAG
 GACACATACAGGCTGGACCCAGGCACAATTTCCAGAGGGAACTCCAGGAACCAAGTACCAGGCAATGC
 TGAGTGTGGATGACTGCTTTGGGATGGCCGCTCGGCCTACAATGAAGGGGACTATTATCATACGGTGTT
 GTGGATGGAGCAGGTGCTAAAGCAGCTTGTGCGGGGAGGAGGCCACCACAACCAAGTACAGGTGCTG
 GACTACCTCAGCTATGCTGTCTCCAGTTGGGTGATCTGCACCGTGCCCTGGAGCTACCCGCCCGCTGC
 TCTCCCTTGACCAAGCCACGAACGAGCTGGAGGGAATCTGCGGTAATTTGAGCAGTTATTGGAGGAAGA
 GAGAGAAAAACGTTAACAAATCAGACAGAAGCTGAGCTAGCAACCCAGAGGCATCTATGAGAGGCT
 GTGGACTACCTGCCTGAGAGGGATGTTTACGAGAGCCTCTGTCGTGGGGAGGGTGTCAAACCTGACACCC
 GTAGACAGAAGAGGCTTTTCTGTAGGTACCACCATGGCAACAGGGCCCCACAGCTGCTCATTGCCCCCT
 CAAAGAGGAGGACGAGTGGGACAGCCCGCACATCGTCAGTACTACGATGTCATGCTGATGAGGAAATC
 GAGAGGATCAAGGAGATCGAAAACCTAACTTGCACGAGCCACCGTTCGTGATCCCAAGACAGGAGTCC
 TCACTGTCGCGACTACCGGTTTCCAAAAGCTCCTGGCTAGAGGAAGATGATGACCTGTTGTGGCCCG
 AGTAAATCGTCGGATGCAGCATATCACAGGGTTAACAGTAAAGACTGCAGAATTGTTACAGGTTGCAAAAT
 TATGGAGTGGGAGGACAGTATGAACCGCACTTCGACTTCTCTAGGAATGATGAGCGAGATACTTTCAAGC
 ATTTAGGGACGGGAATCGTGTGGCTACTTTCTTAACTACATGAGTGTGTAGAAGCTGGTGGTCCAC
 CGTCTTCCCTGATCTGGGGCTGCAATTTGGCCTAAGAAGGTACAGCTGTGTTCTGGTACAACCTCTTG
 CGGAGCGGGAAGGTGACTACCGAACAAGACATGCTGCCTGCCCTGTGCTTGTGGGCTGCAAGTGGGTCT
 CCAATAAGTGGTCCATGAACGAGGACAGGAGTCTTGAGACCTGTGGATCAACAGAAGTTGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC227828 representing NM_001142599
 Red=Cloning site Green=Tags(s)

MKLWVSALLMAWFGVLSVQAEFFTSIGHMTDLIYAEKELVQSLKEYILVEEAKLSKIKSWANKMEALTS
 KSAADAEGYLAHPVNAYKLVKRLNTDWPALDVLQDSAAGFIANLSVQRQFPPTDEDEIGAALKMRLQ
 DTYRLDPGTISRGEIPGTYQAMLVSDDCFGMGRSAYNEGDIYHTVLWMEQVLKQLDAGEEATTTKSQVL
 DYLSYAVFQLGDLHRALELTRRLLSLDPSHERAGNLRYPQLLEEREKTLTNQTEAELATPEGIYERP
 VDYLPERDVYESLCRGEVGLTPRRQKRLFCRYHHGNRAPQLLIAPFKEEDEWSPHIVRYDDVMSDEEI
 ERIKEIAKPKLARATVRDPKTVGLTVASYRVSKSSWLEEDDPVVARVNRMQHITGLTVKTAELLQVAN
 YGVGQYEPHFDFSRNDRDTFKHLGTGNRVATFLNYMSDVEAGGATVFPDLGAAIWPKKGTAVFWYNLL
 RSGEGDYRTRHAACPVLVGCKWVSNKWFHERGQEFRLPCGSTEVD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8066_a05.zip

Restriction Sites:

SgfI-MluI

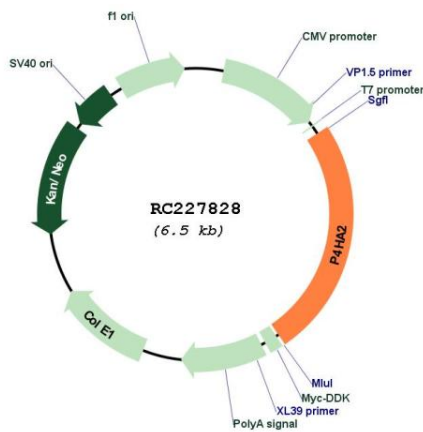
Protein Families: Druggable Genome

Protein Pathways: Arginine and proline metabolism, Metabolic pathways

MW: 60.9 kDa

Gene Summary: This gene encodes a component of prolyl 4-hydroxylase, a key enzyme in collagen synthesis composed of two identical alpha subunits and two beta subunits. The encoded protein is one of several different types of alpha subunits and provides the major part of the catalytic site of the active enzyme. In collagen and related proteins, prolyl 4-hydroxylase catalyzes the formation of 4-hydroxyproline that is essential to the proper three-dimensional folding of newly synthesized procollagen chains. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC227828