

Product datasheet for **TP306055**

P4HA1 (NM_001017962) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human prolyl 4-hydroxylase, alpha polypeptide I (P4HA1), transcript variant 2, 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC206055 protein sequence
Red=Cloning site **Green**=Tags(s)

MIWYILIIGILLPQSLAHPGFFTSIGQMTDLIHTKDLVTSCLKDYIKAEEDKLEQIKKWAEKLDRLTSTA
TKDPEGFVGHVPVNAFKLMKRLNTEWSELENLVLKDMSDGFISNLTIQRQYFPNDEDQVGAALKALLRLQDT
YNLDTDITSKGNLPGVKHKSFLTAEDCFELGKVAYTEADYYHTELWMEQALRQLDEGEISTIDKVSVDY
LSYAVYQQGDLDKALLLTKLLELDPEHQRANGNLKYFEYIMAKEKDVNKSASDDQSDQKTPKKGAV
DYLPERQKYEMLCRGEGIKMTPRRQKKLFCRYHDGNNRNPKIFILAPAKQEDEWDKPRIIRFHDIISDAEIE
IVKDLAKPRLRRATISNPITGDLETVHYRISKSASWLSGYENPVVSRINMRIQDLTGLDVSTAEELQVANY
GVGGQYEPHFDKDEPDAFKELGTGNRIATWLFYMSDVSAGGATVFPEVGASVWPKKGTAVFWYNLFA
SGEGDYSTRHAACPVLVGNKVVSNKWLHERGQEFRRPCTLSELE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 59.1 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

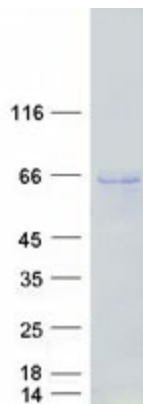
Storage: Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001017962
Locus ID:	5033
UniProt ID:	P13674 , C9JL12
RefSeq Size:	2860
Cytogenetics:	10q22.1
RefSeq ORF:	1602
Synonyms:	P4HA
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]
Protein Families:	Druggable Genome, P450
Protein Pathways:	Arginine and proline metabolism, Metabolic pathways

Product images:



Coomassie blue staining of purified P4HA1 protein (Cat# TP306055). The protein was produced from HEK293T cells transfected with P4HA1 cDNA clone (Cat# [RC206055]) using MegaTran 2.0 (Cat# [TT210002]).