

## Product datasheet for TP307779M

### P4HA2 (NM\_001017973) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human prolyl 4-hydroxylase, alpha polypeptide II (P4HA2), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207779 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MKLWVSALLMAWFGVLSCVQAEFFTSIGHMTDLIYAEKELVQSLKEYILVEEAKLSKIKSWANKMEALTS  
KSAADAEGYLAHPVNAYKLVKRLNTDWPALDVLVQDSAAGFIANLSVQRQFFPTDEDEIGAALKMRLQ  
DTYRLDPGTISRGEPLPGTKYQAMLSVDDFCGMGRSAYNEGDDYHTVLWMEQVLKQLDAGEEATTTKSQVL  
DYLSYAVFQLGDLHRALELTRRLSLDPSHERAGGNLRYFEQLLEEEREKLTNQTAEALATPEGIYERP  
VDYLPERDVYESLCRGEVGLTPRRQKRLFCRYHHGNRAPQLLIAPFKEEDEDWSPHIVRYDVMSEDEI  
ERIKIAPKRLARATVRDPKTGVLTVASYRVSKSSWLEEDDDPVARVNRRMQHITGLTVKTAELLQVAN  
YGVGGQYEPHFDFSRRPFDSGLKTEGNRLATFLNYMSDVEAGGATVFPDLGAAIWPKKGTAVFWYNLLRS  
GEGDYRTRHAACPVLVGCKWVSNKWFHERGQEFRLPCGSTEVD

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

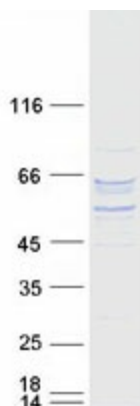
Tag:	C-Myc/DDK
Predicted MW:	58.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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.



[View online »](#)

<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_001017973</a>
<b>Locus ID:</b>	8974
<b>UniProt ID:</b>	<a href="#">O15460</a>
<b>RefSeq Size:</b>	2582
<b>Cytogenetics:</b>	5q31.1
<b>RefSeq ORF:</b>	1599
<b>Synonyms:</b>	MYP25
<b>Summary:</b>	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]
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Arginine and proline metabolism, Metabolic pathways

### Product images:



Coomassie blue staining of purified P4HA2 protein (Cat# [TP307779]). The protein was produced from HEK293T cells transfected with P4HA2 cDNA clone (Cat# [RC207779]) using MegaTran 2.0 (Cat# [TT210002]).