

Product datasheet for TP307779

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, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207779 protein sequence Red =Cloning site Green =Tags(s)

MKLWVSALLMAWFGVLSCVQAEFFTSIGHMTDLIYAEKELVQSLKEYILVEEAKLSKIKSWANKMEALTS
KSAADAEGYLAHPVNAYKLVKRLNTDWPALDVLVQDSAAGFIANLSVQRQFFPTDEDEIGAALKMRLQ
DTYRLDPGTISRGEPLPGTKYQAMLSVDDFCFGMGRSAYNEGDDYHTVLWMEQVLKQLDAGEEATTTKSQVL
DYLSYAVFQLGDLHRALELTRRLSLDPSHERAGGNLRYFEQLLEEEREKLTNQTAEALATPEGIYERP
VDYLPERDVYESLCRGEVGLTPRRQKRLFCRYHHGNRAPQLLIAPFKEEDEWDSPHIVRYDVMSEDEI
ERIKIAPKRLARATVRDPKTGVLTVASYRVSKSSWLEEDDDPVARVNRMMQHITGLTVKTAELLQVAN
YGVGGQYEPHDFSRPFDSGLKTEGNRLATFLNYMSDVEAGGATVFPDLGAAIWPKKGTAVFWYNLLRS
GEGDYRTRHAACPVLVGCKWWSNKFHERGQEFRLPCGSTEVD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

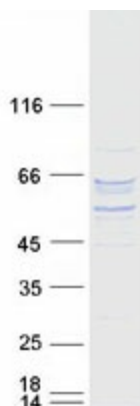
Tag:	C-Myc/DDK
Predicted MW:	58.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity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



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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_001017973
Locus ID:	8974
UniProt ID:	O15460
RefSeq Size:	2582
Cytogenetics:	5q31.1
RefSeq ORF:	1599
Synonyms:	MYP25
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
Protein Pathways:	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]).