

Product datasheet for **TP762642**

P4HA2 (NM_001142598) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human prolyl 4-hydroxylase, alpha polypeptide II (P4HA2), transcript variant 4
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region full length of P4HA2
Tag:	N-GST and C-HIS
Predicted MW:	85.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 8 M urea
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 after receiving vials.
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_001136070
Locus ID:	8974
UniProt ID:	O15460 , Q05DA4 , O15460-2
RefSeq Size:	2246
Cytogenetics:	5q31.1
RefSeq ORF:	1512
Synonyms:	MYP25



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Summary:

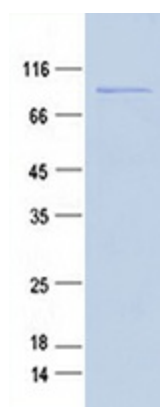
This gene encodes a component of prolyl 4-hydroxylase, a key enzyme in collagen synthesis composed of two identical alpha subunits and two beta subunits. The encoded protein is one of several different types of alpha subunits and provides the major part of the catalytic site of the active enzyme. In 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:

Purified recombinant protein P4HA2 was analyzed by SDS-PAGE gel and Coomossie Blue Staining.