

## Recombinant Human P4HA3 Protein, His-tagged

Cat. No. P4HA3-320H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human P4HA3 fused with His tag at N-terminal was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	<p>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. Alternative splicing results in multiple transcript variants.</p>
<b>Form</b>	25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1% Sarkosyl.
<b>Molecular Mass</b>	59.3 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method

### GENE INFORMATION

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<b>Gene Name</b>	P4HA3 prolyl 4-hydroxylase, alpha polypeptide III [ Homo sapiens ]
<b>Official Symbol</b>	P4HA3
<b>Synonyms</b>	P4HA3; prolyl 4-hydroxylase, alpha polypeptide III; procollagen proline, 2 oxoglutarate 4 dioxygenase (proline 4 hydroxylase), alpha polypeptide III; prolyl 4-hydroxylase subunit alpha-3; C P4Halpha(III); collagen prolyl 4 hydroxylase alpha(III); 4-PH alpha-3; C-P4H alpha III; collagen prolyl 4-hydroxylase alpha(III); procollagen-proline,2-oxoglutarate-4-dioxygenase subunit alpha-3; procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide III;
<b>Gene ID</b>	283208
<b>mRNA Refseq</b>	NM_182904
<b>Protein Refseq</b>	NP_878907
<b>MIM</b>	608987
<b>UniProt ID</b>	Q7Z4N8

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