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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

P4HA1 (Human) Recombinant Protein (P01)

Catalog Number: H00005033-P01

Regulation Status: For research use only (RUO)

Product Description: Human P4HA1 full-length ORF (NP_001017962.1, 1 a.a. - 534 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MIWYILIIIGILLPQSLAHPGFFTSIGQMTDLIHTEKDLVTS
LKDYIKAEEDKLEQIKKWAEKLDRLTSTATKDPEGFVG
HPVNAFKLMKRLNTEWSELENLVLKDMSDGFISNLTIQ
RQYFPNDEDQVGAALKALLRLQDTYNLDTDTISKGNLP
GVKHKSFLEAEDCFELGKVAYTEADYYHTELWMEQAL
RQLDEGEISTIDKVSVDYLSYAVYQQGDLKALLLTK
KLELDPHQQRANGNLKYFEYIMAKEKDVNKSASDDQ
SDQKTTPKKKGVAVDYLPERQKYEMLCRGEIKMTPR
RQKKLFCRYHDGNRNPKFILAPAKQEDEWDKPRIIRFH
DIISDAEIEIVKDLAKPRLRRATISNPITGDLETVHYRISK
SAWLSGYENPVVSRINMRIQDLTGLDVSTAEELQVAN
YGVGGQYEPHFDFAKDEPDAFKELGTGNRIATWLFY
MSDVSAGGATVFPEVGASVWPCKGTAVFWYNLFASG
EGDYSTRHAACPVLVGNKWVSNKWLHERGQEFRRP
CTLSELE

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 87.4

Applications: AP, Array, ELISA, WB-Re

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid

repeated freezing and thawing.

Entrez GeneID: 5033

Gene Symbol: P4HA1

Gene Alias: P4HA

Gene 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]