

Recombinant Human P4HTM protein, His-tagged

Cat. No. P4HTM-3370H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human P4HTM protein(218-563 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	218-563 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	<p> NGWWMTPESIQEMYAAIKADPDGDGVLSLQEFNSNMDLRDFHKYMRSHKAESSELV RNSHHTWLYQGEGAAHIMRAIRQRVLRRLTRLSPEIVELSEPLQVVRYGEGGHYHAH VDSGPVYPETICSHTKLVANESVPFETSCRQVSPNWGLPSILRPGTPMTQAQPCTV GVPLGMGPGDHWVIPVSPWEHPQLGTCSVPPLPYSYMTVLFYLNNTGGGETVFP VADNRTYDEMSLIQDDVDLRDTRRHCDKGNLRVKPQQGTAVFWYNYLPDGQGWV GDVDDYSLHGGCLVTRGTKWIANNWINVDPSRARQALFQQEMARLAREGGTDSQP EWALDRAYRDARVEL </p>
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer

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containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

Reconstitution Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage. Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

GENE INFORMATION

Gene Name P4HTM prolyl 4-hydroxylase, transmembrane (endoplasmic reticulum) [Homo sapiens]

Official Symbol P4HTM

Synonyms P4HTM; prolyl 4-hydroxylase, transmembrane (endoplasmic reticulum); transmembrane prolyl 4-hydroxylase; EGLN4; FLJ20262; HIFPH4; hypoxia inducible factor prolyl 4 hydroxylase; P4H TM; PH 4; PH4; PHD4; Prolyl hydroxylase domain containing 4; HPH-4; HIF-PH4; proline 4-hydroxylase; HIF-prolyl hydroxylase 4; P4H with transmembrane domain; Prolyl hydroxylase domain-containing 4; hypoxia-inducible factor prolyl 4-hydroxylase; hypoxia-inducible factor prolyl hydroxylase 4; PH-4; P4H-TM;

Gene ID 54681

mRNA Refseq NM_177938

Protein Refseq NP_808807

MIM 614584

UniProt ID Q9NXG6

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