

Recombinant Human P4HTM, GST-tagged

Cat. No. P4HTM-1500H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human P4HTM protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	218-563aa
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

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

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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](#)

Chromosome Location 3p21.31

Function L-ascorbic acid binding; calcium ion binding; iron ion binding; oxidoreductase activity, acting on paired donors, with incorporation or reduction of molecular oxygen, 2-oxoglutarate as one donor, and incorporation of one atom each of oxygen into both dono

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