



Recombinant Human P4HTM Protein Product Manual

1. Product Basic Information

Product No.: REP07718

Protein Name: Proline 4-Hydroxylase (P4HTM)

Aliases: PH4; PH-PHD4; EGLN4; HIDEA; HPH-HIFPH4; P4H-TM; HIF-PH4; proline 4-hydroxylase; transmembrane prolyl 4-hydroxylase; prolyl 4-hydroxylase, transmembrane

UniProt ID: Q9NXG6

UniProt Link: <https://www.uniprot.org/uniprotkb/Q9NXG6/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Partial of Isoform 3 (82-563aa)

Molecular Weight: 70.5kDa

Protein Tag: N-terminal 6xHis-SUMO-tagged

2. Amino Acid Sequence (82-563aa)

VHYSNGDESSDPGPQHRAQGGPEPTLGPLTRLEGIKVGHHERKVQLVTDRDHFIRT
LSLKPLLFEIPGFLTDEECRLIIHLAQMKGQLQRSQILPTEEYEEAMSTMQVSQLDLFR
LLDQNRDGHLLQREVLAQTRLGNGWWMTPESIQEMYAAIKADPDGDGVLSLQEFSS
NMDLRDFHKYMRSHKAESSELVRNSHHTWLYQGEGAHHIMRAIRQRVLRRLTRLSPL
EIVELSEPLQVVRYGEGGHYHAHVDSGPVYPETICSHTKLVANESVPFETSCRQVS
PNWGLPSILRPGTPMTQAQPCTVGVPLGMGPGDHWVIVPSPWEHPQLGTCSVPP
LPYSYMTVLFYLNNTGGGETVFPVADNRTYDEMSLIQDDVDLRDTRRHCDKGNL
RVKPQQGTAVFWYNYLPDGQGWVGDVDDYSLHGGCLVTRGTKWIANNWINVDPS
RARQALFQQEMARLAREGGTDSQPEWALDRAYRDARVEL

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based



4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human P4HTM partial of isoform 3 protein (82-563aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. P4HTM, also known as PH4 or PH-PHD4 or EGLN4, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.