

Product Information

MemDX™ Membrane Protein Human P4HTM (Prolyl 4-hydroxylase, transmembrane) Full

Length

Cat. No.: **MPC1313K**

This product is for research use only and is not intended for diagnostic use.

This product is a 56.6 kDa Human P4HTM membrane protein expressed in Baculovirus/Insect expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

P4HTM

Protein Length

Full length

Protein Class

Oxidoreductase

Molecular Weight

56.6 kDa

TMD

1

Sequence

MAAAAVTGQRPETAAEEASRPQWAPPDHCQAQAAAGLGDGEDAPVRPLC
KPRGICSRAYFLVLMVFVHLYLGNVLALLLFVHYSNGDESSDPGPQHRAQ
GPGPEPTLGPLTRLEGIKVGHERKVQLVTD RDHFIRTL SLKPLLFEIPGF
LTDEECRLIIHLAQMKGLQRSQILPTEEYEEAMSTMQVSQDLFRLLDQN
RDGHLQLREVLAQTRLGNGWWMTPESIQEMYAAIKADPDGDGVLSLQEF
NMDLRDFHKYMRSHKAESSELVRNSHTWLYQGEGAHHIMRAIRQVRRL
TRLSP EIVELSEPLQVVRYGEGGHYHAHVDSGPVYPETICSHTKLVANES
VPFETSCRYMTVL FYLNNVTGGGETVFPVADNR TYDEMSLIQDDVDLRDT
RRHCDKGNLRVKPQQGTAVFWYNYLPDGGQWVG DVDDYSLHGGCLVTRGT
KWIANNWINVDPSRARQALFQQEMARLAREGGTDSQPEWALDRAYRDARV
EL

Product Description

Expression Systems

Baculovirus/Insect expression system

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

P4HTM

Full Name

Prolyl 4-hydroxylase, transmembrane

Introduction

The product of this gene belongs to the family of prolyl 4-hydroxylases. This protein is a prolyl hydroxylase that may be involved in the degradation of hypoxia-inducible transcription factors under normoxia. It plays a role in adaptation to hypoxia and may be related to cellular oxygen sensing. Alternatively spliced variants encoding different isoforms have been identified.

Alternative Names

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

Gene ID

[54681](#)

UniProt ID

[Q9NXG6](#)