

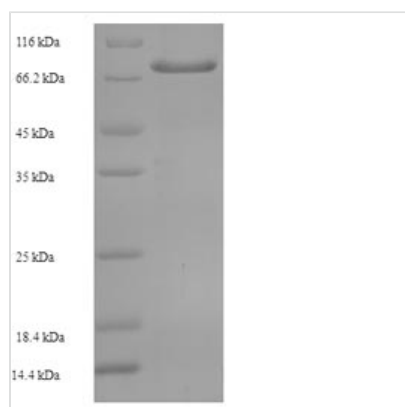


Recombinant Human Transmembrane prolyl 4-hydroxylase (P4HTM), partial

Product Code	CSB-EP878913HU
Relevance	Catalyzes the post-translational formation of 4-hydroxyproline in hypoxia-inducible factor (HIF) alpha proteins. Hydroxylates HIF1A at 'Pro-402' and 'Pro-564'. May function as a cellular oxygen sensor and, under normoxic conditions, may target HIF through the hydroxylation for proteasomal degradation via the von Hippel-Lindau ubiquitination complex.
Abbreviation	Recombinant Human P4HTM protein, partial
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q9NXG6
Alias	Hypoxia-inducible factor prolyl hydroxylase 4 ;HIF-PH4 ;HIF-prolyl hydroxylase 4 ;HPH-4
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	VHYSNGDESSDPGPQHRAQGGPEPTLGPLTRLEGIKVGHKRVQLVTDRDH FIRTLSLKPLLFEIPGFLTDEECRLIIHLAQMKGQLQRSQILPTEEYEEAMSTMQVS QLDLFRLLDQNRDGHLLQREVLAQTRLGNGWWMTPESIQEMYAAIKADPDGD GVLSLQEFNSMDLRDFHKYMRSHKAESSELVRNSHTWLYQQGEGAHHIMRAI RQRVLRRLTRLSPEIVELSEPLQVVRYGEGGHYHAHVDSGPVYPETICSHTKLV ANESVPFETSCRQVSPNWGLPSILRPGTPMTQAQPCTGVPLGMGPGDHWV IPVSPWEHPQLGTCVPLPYSYMTVLFYLNNTGGGETVFPVADNRTYDEM SLIQDDVDLRDTRRHCDKGNLRVKPQQGTAVFWYNYLPDGQGWVGDVDDYS LHGGCLVTRGTKWIANNWINVDPSRARQALFQQEMARLAREGGTDSQPEWA LDRAYRDARVEL
Research Area	Cancer
Source	E.coli
Target Names	P4HTM
Expression Region	82-563aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	70.5kDa
Protein Length	Partial of Isoform 3



Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.