abcam

Product datasheet

Recombinant Human HIF Prolyl Hydroxylases protein ab162816

1 Image

Description

Product name	Recombinant Human HIF Prolyl Hydroxylases protein
Expression system	Wheat germ
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MAAAAVTGQRPETAAAEEASRPQWAPPDHCQAQAAAG LGDGEDAPVRPLC KPRGICSRAYFLVLMVFVHLYLGNVLALLLFVHYSNGDESS DPGPQHRAQ GPGPEPTLGPLTRLEGIKVGHERKVQLVTDRDHFIRTLSLK PLLFEIPGF LTDEECRLIIHLAQMKGLQRSQILPTEEYEEAMSTMQVSQL DLFRLLDQN RDGHLQLREVLAQTRLGNGWWMTPESIQEMYAAIKADPD GDGVLSLQEFS NMDLRDFHKYMRSHKAESSELVRNSHHTWLYQGEGAHHI MRAIRQRVLRL TRLSPEIVELSEPLQVVRYGEGGHYHAHVDSGPVYPETIC SHTKLVANES VPFETSCRQVSPNWGLPSILRPGTPMTQAQPCTVGVPLG MGPGDHWVIPV SPWEHPQLGTCSVPPLPYSYMTVLFYLNNVTGGGETVFP VADNRTYDEMS LIQDDVDLRDTRRHCDKGNLRVKPQQGTAVFWYNYLPDG QGWVGDVDDYS LHGGCLVTRGTKWIANNWINVDPSRARQALFQQEMARLA REGGTDSQPEW ALDRAYRDARVEL
Amino acids	1 to 563
Tags	GST tag N-Terminus

Specifications

.

Our **Abpromise guarantee** covers the use of **ab162816** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Western blot ELISA
Form	Liquid
Additional notes	

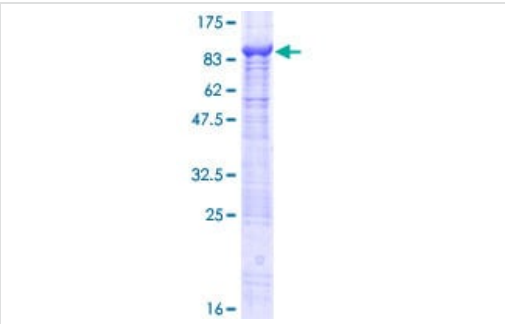
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

Function	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.
Tissue specificity	Widely expressed with highest levels in adult pancreas, heart, skeletal muscle, brain, placenta, kidney and adrenal gland. Expressed at lower levels in epiphyseal cartilage and in fibroblasts.
Sequence similarities	Contains 2 EF-hand domains. Contains 1 Fe2OG dioxygenase domain.
Post-translational modifications	Glycosylated.
Cellular localization	Endoplasmic reticulum membrane.

Images



SDS-PAGE - Recombinant Human HIF Prolyl Hydroxylases protein (ab162816)

ab162816 on a 12.5% SDS-PAGE stained with Coomassie Blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.com/abpromise** or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors