

hypoxia-inducible factor-asparagine dioxygenase

Cat. No. EXWM-0648

Lot. No. (See product label)

Introduction

Description Contains iron, and requires ascorbate. Catalyses hydroxylation of an asparagine in the C-terminal transcriptional activation domain of HIF- α , the α subunit of the transcriptional regulator HIF (hypoxia-inducible factor), which reduces its interaction with the transcriptional coactivator protein p300. The requirement of oxygen for the hydroxylation reaction enables animals to respond to hypoxia.

Synonyms HIF hydroxylase

Product Information

Form Liquid or lyophilized powder

EC Number EC 1.14.11.30

Reaction hypoxia-inducible factor-L-asparagine + 2-oxoglutarate + O₂ = hypoxia-inducible factor-(3S)-3-hydroxy-L-asparagine + succinate + CO₂

Notes This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.