9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

HIF1A Human (85 a.a.)

Hypoxia-Inducible Factor-1 Alpha (85 a.a.) Human Recombinant
RCP1016

Product Overview

Name	HIF1A Human (85 a.a.)

Description

Hypoxia-Inducible Factor-1 Alpha (85 a.a.) Human Recombinant

Accession (Primary)	Q16665

Synonyms

Hypoxia-inducible factor 1 alpha, HIF-1 alpha, HIF1 alpha, ARNT-interacting protein, Member of PAS protein 1, Basic-helix-loop-helix-PAS protein MOP1, HIF1A, MOP1, HIF1, PASD8, HIF-1A.

Introduction

HIF1A has a role as a master transcriptional monitor of the adaptive response to hypoxia. Under hypoxic conditions HIF1A activates the transcription of over 40 genes, including, erythropoietin, glucose transporters, glycolytic enzymes, vascular endothelial growth factor, and genes whose protein products increase oxygen release or facilitate metabolic adaptation to hypoxia. HIF1A functions as an essential role in embryonic vascularization, tumor angiogenesis and pathophysiology of ischemic disease.

Source

Escherichia Coli.

Physical Appearance

Sterile filtered colorless solution.

Formulation

HIF1A Human (0.25mg/ml) solution containing 20mM Tris buffer(pH 8.0), 20% glycerol, 1mM DTT, 0.2M NaCl and 1mM EDTA.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 80.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MEGAGGANDK KKISSERRKE KSRDAARSRR SKESEVFYEL AHQLPLPHNV SSHLDKASVM RLTISYLRVR KLLDAGDLDI EDDMK.

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Precautions

HIF1A Human (85 a.a.) is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q16665)