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

HIF1A Human, His

Hypoxia-Inducible Factor-1 Alpha Human Recombinant, His Tag
RCP1017

Product Overview

Name	HIF1A Human, His

Description

Hypoxia-Inducible Factor-1 Alpha Human Recombinant, His Tag

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 solution containing 20mM Tris-HCl pH-8, 1mM DTT, 0.2M NaCl & 10% glycerol.

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 85.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH M SFDQLSPLE SSSASPESAS PQSTVTVFQQ TQIQEPTANA TTTTATTDEL KTVTKDRMED IKILIASPSP THIHKETTSA TSSPYRDTQS RTASPNRAGK GVIEQTEKSH PRSPNVLSVA LSQRTTVPEE ELNPKILALQ NAQRKRKMEH DGSLFQAVGI GTLLQQPDDH AATTSLSWKR VKGCKSSEQN

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GMEQKTIILI PSDLACRLLG Q.

Precautions

HIF1A Human, His is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q16665)