



Datasheet for ABIN7279176 HIF1A Protein (AA 1-85) (His tag)



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1 Image

Overview

Quantity:	100 µg
Target:	HIF1A
Protein Characteristics:	AA 1-85
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This HIF1A protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Characteristics:	HIF1a, 1-85aa, Human, His tag, E.coli
Purity:	> 80 % by SDS – PAGE

Target Details

Target:	HIF1A
Alternative Name:	HIF1a (HIF1A Products)
Background:	Hypoxia-inducible factor-1 (HIF-1), identified as one of the transcription factors, has been found to play an essential role in oxygen homeostasis. HIF-1 is a heterodimer composed of HIF-1 beta subunit and one of three subunits (Hif-1 alpha, Hif-2 alpha or Hif-3 alpha). The activation of Hif-1 alpha is closely associated with a variety of tumors and oncogenic pathways. Hif-1 alpha consists of DNA binding domain(DBD domain), dimerization domain and C-terminal regulatory

Target Details

domains, including two transactivation domains(TAD), an oxygen-dependent degradation(ODD) domain, and inhibitory domains. Recombinant human Hif-1 alpha (1-85) protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. Synonyms: BHLHE78, MOP1, PASD8, Hypoxia-inducible factor 1-alpha. NCBI no.: NP_001521

Molecular Weight: 11.8 kDa (105aa), confirmed by MALDI-TOF (molecular weight on SDS-PAGE will appear higher)

Pathways: [Positive Regulation of Peptide Hormone Secretion](#), [Regulation of Hormone Metabolic Process](#), [Regulation of Hormone Biosynthetic Process](#), [Cellular Response to Molecule of Bacterial Origin](#), [Carbohydrate Homeostasis](#), [Transition Metal Ion Homeostasis](#), [Tube Formation](#), [Regulation of Carbohydrate Metabolic Process](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#), [VEGFR1 Specific Signals](#), [Warburg Effect](#)

Application Details

Restrictions: For Research Use only

Handling

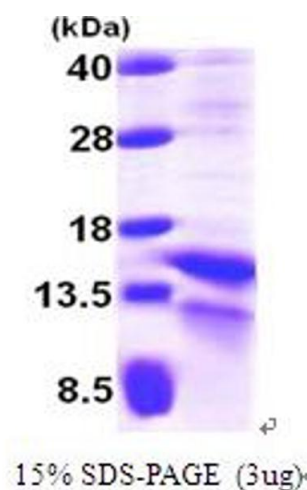
Format: Liquid

Concentration: 0.25 mg/ml (determined by Bradford assay)

Buffer: Liquid. In 20mM Tris buffer(pH 8.0) containing 20% glycerol, 1mM DTT, 0.2M NaCl, 1mM EDTA.

Storage: 4 °C

Images



SDS-PAGE

Image 1.