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Datasheet for ABIN667163

HIF1A Protein (AA 576-785) (His tag)

1 Image

Overview

Quantity:	50 µg
Target:	HIF1A
Protein Characteristics:	AA 576-785
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, 576-785aa, Human, His tag, E.coli
Purity:	> 85 % by SDS - PAGE

Target Details

Target:	HIF1A
Alternative Name:	HIF1A (HIF1A Products)
Background:	HIF1A, identified as one of the transcription factors, has been found to play an essential role in oxygen homeostasis. This protein is a heterodimer composed of HIF-1beta subunit and one of three subunits(HIF-1A, HIF-2A or HIF-3A). The activation of HIF1A is closely associated with a variety of tumors and oncogenic pathways. HIF1A consists of DNA binding domain(DBD domain), Dimerization domain and C-terminla regulatory domains, including two

Target Details

transactivation domains(TAD), an oxygen-dependent degradation(ODD) domain, and inhibitory domains. Recombinant human HIF1A(576-785) 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: 25.1 kDa (231aa) confirmed by MALDI-TOF (Real molecular weight on SDS-PAGE will be shift up)

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

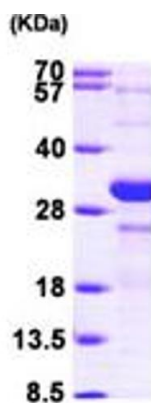
Format: Liquid

Concentration: 1 mg/ml (determined by Bradford assay)

Buffer: Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.2M NaCl, 1mM DTT, 10% glycerol

Storage: 4 °C

Images



15% SDS-PAGE (3ug)

SDS-PAGE

Image 1.