# Human HIF-1 alpha/HIF1A (His Tag) recombinant protein

Catalog Number: 501136



## **General Information**

## **Gene Name Synonym**

ARNT-interacting protein; Basic-helix-loop-helix-PAS protein MOP1; Class E basic helix-loop-helix protein 78; Member of PAS protein 1; PAS domain-containing protein 8

## **Protein Construction**

A DNA sequence encoding the human HIF1A isoform 1 (Q16665-1) N-terminal segment (Arg 575-Asn 826) was expressed, with a polyhistide tag at the N-terminus.

## **Organism**

Human

## **Expression Host**

E. coli

# **QC Testing**

### **Purity**

> 95 % as determined by SDS-PAGE

#### **Endotoxin**

Please contact us for more information.

## **Stability**

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Met

## **Molecular Mass**

The recombinant human HIF1A consisting of 259 amino acids and has a calculated molecular mass of 28.4 kDa. It migrates as an approximately 34 kDa band in SDS-PAGE under reducing conditions.

## **Formulation**

Lyophilized from sterile PBS, pH 7.4

- $1.\,5$  % trehalose and mannitol are added as protectants before lyophilization.
- 2. Please contact us for any concerns or special requirements.

# **Usage Guide**

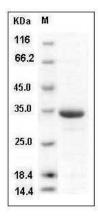
## **Storage**

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

#### **SDS-PAGE**



Human HIF-1 alpha / HIF1A Protein (His Tag) SDS-PAGE