

HIF1A

Recombinant Human Hypoxia-inducible Factor 1 alpha subunit (aa 530-826)

Catalog No.	CSI15640A	Quantity:	100 µg
	CSI15640B		500 µg

Alternate Names: HIF-1alpha, HIF1, HIF1-ALPHA, MOP1, PASD8, bHLHe78, ARNT interacting protein, hypoxia-inducible factor 1, alpha subunit, hypoxia-inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor), member of PAS superfamily 1

Description: 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-1β subunit and one of three subunits(Hif-1α, Hif-2(or Hif-3)). The activation of Hif-1 is closely associated with a variety of tumors and oncogenic pathways. Hif-1(consists of DNA binding domain(DBD domain), Dimerization domain and C-terminla regulatory domains, including two transactivation domains(TAD), an oxygen-dependent degradation (ODD) domain, and inhibitory domains. Hif-1((530-826 residues) contains two TAD and inhibitory domain. Recombinant Hif-1((530-826 residues) was expressed in *E.coli* and purified by using conventional chromatography techniques.

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

GeneID: 3091

Protein Accession No: NP_001521

Source: *E. coli*

Molecular Weight: 32.8kDa (298aa), confirmed by MALDI-TOF. (Molecular weight on SDS-PAGE will appear higher)

Formulation: Liquid. In 20mM Tris-HCl pH7.5, 1mMDTT

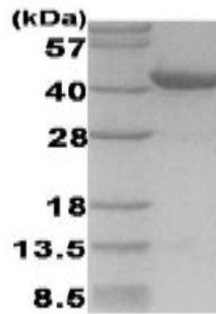
Purity: > 95% by SDS - PAGE

Amino Acid Sequence: MEFKLELVEK LFAEDTEAKN PFSTQDSDL LEMLPYIPM DDDFQLRSFD
QLSPLESSSA SPESASPQST VTVFQQTQIQ EPTANATTTT ATDELKTVT
KDRMEDIKIL IASPSPTIH KETTSATSSP YRDTQSRTAS PNRAGKGVIE
QTEKSHPRSP NVLSVALSQR TTVPEEELNP KILALQNAQR KRKMEHDGSL
FQAVGIGTLL QQPDDHAATT SLSWKRKVGKCSSEQNGMEQ KTIILIPSDL
ACRLLGQSMDESGLPQLTSY DCEVNAPIQG SRNLLQGEEL LRALDQVN



Storage & Stability:

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -80°C. **Avoid repeated freezing and thawing cycles.**



15% SDS-PAGE (3ug)

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