

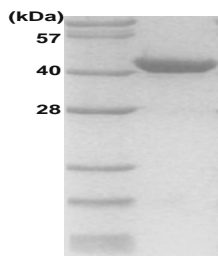
Product: Hypoxia-inducible factor 1 α 530-826aa (HIF-1 α), human
Catalog #: 01-2260
Amount: 50 μ g

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-1 α subunit and one of three subunits(Hif-1 β , Hif-2 β or Hif-3 β). The activation of Hif-1 α is closely associated with a variety of tumors and oncogenic pathways. Hif-1 α consists of DNA binding domain(DBD domain), Dimerization domain and C-terminal regulatory domains, including two transactivation domains(TAD), an oxygen-dependent degradation(ODD) domain, and inhibitory domains. Hif-1 α (530-826 residues) contains two TAD and inhibitory domain

AA Sequence: (576-785 aa)

MEFKLELVEK LFAEDTEAKN PFSTQDSDL LEMLAPYIPM
 DDDFQLRSFD QLSPLESSA SPESASPQST VTFVQQTIQ EPTANATTTT
 ATTDLKTVT KDRMEDIKIL IASPSPTIHK KETTSATSSP YRDTQSRTAS
 PNRAGKGVIE QTEKSHPRSP NVLSV ALSQR TTVPEEELNP
 KILALQNAQR KRKMEHDGSL FQAVGIGTLL QPDDHAATT
 SLSWKRVKGC KSSEQNGMEQ KTIILIPSDL ACRLGQSMQ
 ESGLPQLTSY DCEVNAPIQG SRNLLQGEEL LRALDQVN



15% SDS-PAGE

SOURCE: Recombinant, *E. coli*
PURITY: > 95% determined by SDS-PAGE
MOLECULAR WEIGHT: 32.8 kDa (298aa)
FORM: Purified, in 20 mM Tris-HCl buffer (pH7.5), 1 mM DTT
STORAGE/STABILITY: -20°C (aliquot), Avoid repeated freeze and thaw cycles.

Reference:

Okuyama H. et al., (2006) J. Biol Chem. 281(22): 15554-15563
 Berra E. et al., (2006) EMBO.7 (1): 41-45

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