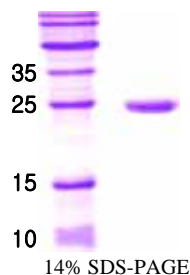


Product: Hypoxia-inducible factor 1 α 576-785aa (HIF-1 α), human
Catalog #: 01-2260
Amount: 50 μ g

SOURCE: Recombinant, *E. coli*
DESCRIPTION: Human hypoxia-inducible factor 1 α is an important transcription factor for cellular responses to oxygen tension and plays a pivotal role in embryogenesis, angiogenesis, and tumorigenesis. HIF1 α -mediated transcription requires the cofactor p300, at least in part, through interaction with the cysteine- and histidine-rich 1 domain of p300. Inhibitory domain of HIF1 α (576-785 residues) was over-expressed in *E. coli*

AA Sequence: (576-785 aa)

MSFDQLSPLE SSSASPESAS PQSTVTVFQQ TQIQEPTANA TTTTATTDEL
KTVTKDRMED IKILIASPSP THHKETTSA TSSPYRDTQS RTASPNRAGK
GVIEQTEKSH PRSPNVLSVA LSQRTTVPEE ELNPKILALQ NAQRKRKMEH
DGSLFQAVGI GTLLQQPDDH AATTSLSWKR VKGCKSSEQN GMEQKTIILI
PSDLACRLLG Q



PURITY: Greater than 95% determined by SDS-PAGE
MOLECULAR WEIGHT: 23KDa (211 amino acids)
PRESENTATION: Purified, in 20 mM Tris-HCl buffer(pH7.5) 0.1M NaCl, 1mM EDTA, 1mMPMSF, 10% Glycerol
STORAGE/STABILITY: -20°C (aliquot), Avoid repeated freeze and thaw cycles.

Reference:

Jie Gu., *et al*(2001) *J Biol. Chem.* **276**(5): 3550-3554
Sayeon Cho., *et al* (2001) *FEBS.* **496**: 62-66
Guang L., *et al* (1995) *Proc. Natl. Acad. Sci. USA***92**: 5510-5514

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