

Hif-1a recombinant protein

Hif-1a, 530-826aa, Human, E Coli

CATALOG # AAA48450	HOST E Coli	APPLICATIONS SDS-Page
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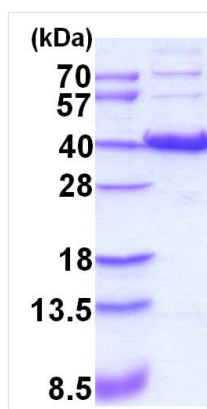
PRODUCT SYNONYMS

Hif-1a; 530-826aa; Human; E Coli; Hypoxia-inducible factor-1a; HIF1A; MOP1; Hif-1 alpha (530-826 aa); HIF-1 alpha; HIF1 alpha; ARNT-interacting protein; Member of PAS protein 1; Basic-helix-loop-helix-PAS protein MOP1; Hypoxia-inducible factor 1 alpha; Hypoxia-inducible factor-1a Basic helix loop helix PAS protein MOP1; ARNT interacting protein; bHLHe78; HIF 1A; HIF 1alpha; HIF1 A; Hypoxia inducible factor 1 alpha; Hypoxia inducible factor 1 alpha isoform I.3; Hypoxia inducible factor 1 alpha subunit; Hypoxia inducible factor 1 alpha subunit basic helix loop helix transcription factor; Member of PAS superfamily 1; Member of the PAS Superfamily 1; MOP 1; PASD 8; PASD8; ; Hif-1a recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl pH7.5, 1mMDTT
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MEFKLELVEK LFAEDTEAKN PFSTQDSDL LEMLPYIPM DDDFQLRSFD QLSPLESSSA SPESASPQST VTVFQQTQIQ EPTANATTTT ATTDDELKTVT KDRMEDIKIL IASPSPTIHH KETTSATSSP YRDTQSRTAS PNRAGKGVIE QTEKSHPRSP NVLSVALSQR TTVPEEELNP KILALQNAQR KRKMEHDGSL FQAVGIGTLL QQPDDHAATT SLSWKRVKGC KSSEQNGMEQ KTIILIPSDL ACRLLGQSMDS ESGLPQLTSY DCEVNAPIQG SRNLLQGEEL LRALDQVN
Sequence Length	826
Applicable Applications for Hif-1a recombinant protein	SDS-PAGE
Antigen Species	Human
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Hif-1a recombinant protein	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-1beta subunit and one of three subunits (Hif-1alpha, Hif-2 or Hif-3). The activation of Hif-1 is closely associated with a variety of tumors and oncogenic pathways. Hif-1alpha 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 alpha (530-826 residues) contains two TAD and inhibitory domain. Recombinant Hif-1 alpha (530-826 residues) was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for Hif-1a recombinant protein	Cell Cycle
References	Okuyama H. et al., (2006) J. Biol Chem. 281 (22):15554-63; Berra E. et al., (2006) EMBO.7 (1):41-5;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504385
NCBI GeneID	3091
NCBI Accession #	NP_001521
NCBI GenBank Nucleotide #	NM_001530.3
UniProt Accession #	Q16665; Q53XP6; Q96PT9; Q9UPB1; C0LZJ3
Molecular Weight	32.8kDa (298aa), confirmed by MALDI-TOF. (Molecular weight on SDS-PAGE will appear higher)
NCBI Official Full Name	hypoxia-inducible factor 1-alpha isoform 1
NCBI Official Synonym Full Names	hypoxia inducible factor 1 alpha subunit
NCBI Official Symbol	HIF1A
NCBI Official Synonym Symbols	HIF1; MOP1; PASD8; HIF-1A; bHLHe78; HIF-1alpha; HIF1-ALPHA; HIF-1-alpha
NCBI Protein Information	hypoxia-inducible factor 1-alpha
UniProt Protein Name	Hypoxia-inducible factor 1-alpha
UniProt Gene Name	HIF1A
UniProt Synonym Gene Names	bHLHe78

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.