

32-3957: HIF1A (85 a.a.) Recombinant Protein

Alternative Name : Hypoxia-inducible factor 1 alpha, HIF-1 alpha, HIF1 alpha, ARNT-interacting protein, Member of PAS protein 1, Basic-helix-loop-helix-PAS protein MOP1, HIF1A, MOP1, HIF1, PASD8, HIF-1A.

Description

Source : Escherichia Coli. HIF1A Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 105 amino acids (1-85 a.a.) and having a molecular mass of 11.8 kDa. The HIF1A is fused to 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. HIF1A has a role as a master transcriptional monitor of the adaptive response to hypoxia. Under hypoxic conditions HIF1A activates the transcription of over 40 genes, including, erythropoietin, glucose transporters, glycolytic enzymes, vascular endothelial growth factor, and genes whose protein products increase oxygen release or facilitate metabolic adaptation to hypoxia. HIF1A functions as an essential role in embryonic vascularization, tumor angiogenesis and pathophysiology of ischemic disease.

Product Info

Amount : 5 µg
Purification : Greater than 80.0% as determined by SDS-PAGE.
Content : HIF1A Human (0.25mg/ml) solution containing 20mM Tris buffer(pH 8.0), 20% glycerol, 1mM DTT, 0.2M NaCl and 1mM EDTA.
Storage condition : HIF1A Human although stable at 4°C for 1 week, should be stored desiccated below -18°C. Please prevent freeze thaw cycles.
Amino Acid : MGSSHHHHHH SSGLVPRGSH MEGAGGANDK KISSERRKE KSRDAARSRR SKESEVFYEL
 AHQLPLPHNV SSHLDKASVM RLTISYLRVR KLLDAGDLDI EDDMK.

