

## 32-3958: HIF1A His 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 231 amino acids (576-785 a.a.) and having a molecular mass of 25.1 kDa. The HIF1A is fused to a 21 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 :** 10 µg  
**Purification :** Greater than 85.0% as determined by SDS-PAGE.  
**Content :** HIF1A Human solution containing 20mM Tris-HCl pH-8, 1mM DTT, 0.2M NaCl & 10% glycerol.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MSFDQLSPLE SSSASPESAS PQSTVTVFQQ TQIQEPTANA TTTTATTTDEL KVTVKDRMED IKILIASPSP THIHKETTS A TSSPYRDTQS RTASPNRAGK GVIEQTEKSH PRSPNVLSVA LSQRTTVPEE ELNPKILALQ NAQRKRKMEH DGS LFQAVGI GTLLQQPDDH AATTSLSWKR VKGCKSSEQN GMEQKTIILI PSDLACRLLG Q.

