

## Hypoxia-Inducible Factor-1 Alpha (85 a.a.) Human Recombinant

<b>Item Number</b>	rAP-3477
<b>Synonyms</b>	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.
<b>Description</b>	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.
<b>Uniprot Accession Number</b>	Q16665
<b>Amino Acid Sequence</b>	MGSSHHHHHH SSGLVPRGSH MEGAGGANDK KKISSERRKE KSRDAARSRR SKESVIFYEL AHQLPLPHNV SSHLDKASVM RLTISYLRVR KLLDAGDLDI EDDMK.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile filtered colorless solution. 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.
<b>Formulation and Purity</b>	HIF1A Human (0.25mg/ml) solution containing 20mM Tris buffer(pH 8.0), 20% glycerol, 1mM DTT, 0.2M NaCl and 1mM EDTA. Greater than 80.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**