

Hypoxia-Inducible Factor-1 Alpha Human Recombinant

Item Number	rAP-3479
Synonyms	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	HIF1A Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 298 amino acids (530-826) and having a molecular mass of 32.8 kDa. The protein migrates as a 40kDa band on SDS-PAGE. The HIF1-A is purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q16665
Amino Acid Sequence	MEFKLELVEK LFAEDTEAKN PFSTQDSDL LEMLPYIPM DDDFQLRSFD QLSPLESSSA SPE-SASPQST VTVFQQTIQ EPTANATTTT ATTDDELKTVT KDRMEDIKIL IASPSPTIH KETTSATSSP YRDTQSRTAS PNRAGKGVIE QTEKSHPRSP NVLSVALSQR TTVPEEELNP KILALQNAQR KRK-MEHDGSL FQAVGIGTLL QQPDDHAATT SLSWKRVKGC KSEQNGMEQ KTIILIPSDL ACRLLGQSMD ESGLPQLTSY DCEVNAPIQG SRNLLQGEEL LRALDQVN.
Source	Escherichia Coli.
Physical Appearance and Stability	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.
Formulation and Purity	The HIF1A recombinant Human solution is formulated 20mM Tris-HCl pH-7.5 and 1mM DTT. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	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**