

Hypoxia-Inducible Factor-1 Alpha Recombinant Protein | HIF1A recombinant protein

Recombinant Human Hypoxia-Inducible Factor-1 Alpha His Tag

CATALOG # AAA38806	HOST E Coli
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PRODUCT SYNONYMS

Hypoxia-Inducible Factor-1 Alpha; Recombinant Human Hypoxia-Inducible Factor-1 Alpha His Tag; HIF1A Human; His; Hypoxia-Inducible Factor-1 Alpha Human Recombinant; His Tag; 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; HIF1A His; HIF1A recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 85.0% as determined by SDS-PAGE.
Form/Format	1mg/ml solution containing 20mM Tris-HCl pH-8, 1mM OTI, 0.2M NaCl & 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence	MGSSHHH HHHSSGLVPR GSHMSF DQLSPLESSS ASPESASPQS TVTVFQQTQI QEPTANATTT TATTDCLKTV TKDRMEDIKI LIASPSPTHI HKETTSATSS PYRDTQSRTA SPNRAGKGV I EQTEKSHPRS PNVLSVALSQ RTTVPEEELN PKILALQNAQ RKRKMEHDGS LFQAVGIGTL LQQPDDHAAT TSLSWKRVKG CKSSEQNGME QKTIILIPSD LACRLLGQ
Sequence Length	850
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree 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.

ADDITIONAL INFORMATION

Related Product Information for HIF1A recombinant protein	Description: 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. Introduction: 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 Categories/Family for HIF1A recombinant protein	Recombinant & Natural Proteins ; Recombinant Proteins ; Hypoxia-Inducible Factor

NCBI AND UNIPROT INFORMATION

NCBI GI #	340545531
NCBI GeneID	3091
NCBI Accession #	NP_001230013.1
NCBI GenBank Nucleotide #	NM_001243084.1

UniProt Accession #	Q16665; Q53XP6; Q96PT9; Q9UPB1; C0LZJ3
NCBI Official Full Name	hypoxia-inducible factor 1-alpha isoform 3
NCBI Official Synonym Full Names	hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)
NCBI Official Symbol	HIF1A
NCBI Official Synonym Symbols	HIF1; MOP1; PASD8; HIF-1A; bHLHe78; HIF-1alpha; HIF1-ALPHA
NCBI Protein Information	hypoxia-inducible factor 1-alpha; ARNT interacting protein; ARNT-interacting protein; HIF-1-alpha; PAS domain-containing protein 8; basic-helix-loop-helix-PAS protein MOP1; class E basic helix-loop-helix protein 78; hypoxia-inducible factor 1 alpha isoform I.3; hypoxia-inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor); hypoxia-inducible factor1alpha; member of PAS protein 1; member of PAS superfamily 1
UniProt Protein Name	Hypoxia-inducible factor 1-alpha
UniProt Gene Name	HIF1A
UniProt Synonym Gene Names	BHLHE78; MOP1; PASD8; HIF-1-alpha; HIF1-alpha; bHLHe78
UniProt Entry Name	HIF1A_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/hif1a-recombinant-protein-e-coli/38806>