

Recombinant Human HIF-1-alpha, HEK293 Lysate

Source

Species	Human
Accession Number	Q16665
Gene Symbol	HIF1A
Gene ID	3091
Expressed Region	Leu400-Asn826
Synonyms	Hypoxia-inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)

Preparation

Expression System	Human Embryonic Kidney 293 Cells
Tag	N-terminal 8x histidine tag
Purification	Unpurified overexpression cell lysate
Molecular Weight	49

Protein Specifications

Format	Lyophilized powder
Formulation	Lyophilized from a 0.2 um filtered solution in PBS containing mammalian cell protease inhibitor cocktail
Concentration	Determined by BCA protein assay kit (Thermo Scientific)
Preservative	None
Endotoxin Level	Not determined
Recommended Applications	Western blotting control, antibody validation (i.e., hybridoma screening, antibody pair screening), ELISA, EIA, dot blotting, immunoprecipitation (IP), protein array, protein-protein interaction studies, post-translational modifications
Reconstitution	Briefly spin the vial and bring the contents to the bottom prior to opening. It is recommended to reconstitute at 0.5 - 1.0 mg/mL with sterile deionized water or 1x PBS.

Shipping

Ice packs. Including one vial of HEK293 cell lysate transfected with empty expression vector.

Storage/Stability

Upon arrival, the lyophilized protein may be stored for 2 weeks at 4°C. For long term storage, it is recommended to store desiccated below -20 °C in a manual defrost freezer. Following reconstitution, the protein may be stored for 2 weeks under sterile

conditions at -20 °C. For long term storage, it is recommended to make appropriate aliquots and store at -80 °C. Avoid repeated freeze-thaw cycles.

This product is furnished for LABORATORY RESEARCH USE ONLY.

Not for diagnostic or therapeutic use.