

# Recombinant Human HIF1A

Catalog No: #GP12302



Package Size: #GP12302-1 100ug

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

Product Name	Recombinant Human HIF1A
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 401-600 amino acids of human HIF1A
Target Name	hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)
Other Names	HIF1; MOP1; PASD8; HIF-1A; bHLHe78; HIF-1alpha; HIF1-ALPHA
Accession No.	Swissprot:Q16665Gene Accession:BC012527
Uniprot	Q16665
GeneID	3091;
Storage	-20~-80°C, pH 7.6 PBS

## Background

This gene encodes the alpha subunit of transcription factor hypoxia-inducible factor-1 (HIF-1), which is a heterodimer composed of an alpha and a beta subunit. HIF-1 functions as a master regulator of cellular and systemic homeostatic response to hypoxia by activating transcription of many genes, including those involved in energy metabolism, angiogenesis, apoptosis, and other genes whose protein products increase oxygen delivery or facilitate metabolic adaptation to hypoxia. HIF-1 thus plays an essential role in embryonic vascularization, tumor angiogenesis and pathophysiology of ischemic disease. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene.

## References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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