

HIF - 1 {alpha} (556 - 574)
Synthetic Peptide
Catalog # SP2191a**Specification**

HIF - 1 {alpha} (556 - 574) - Product Information

Primary Accession [Q98SW2](#)
Other Accession [Q9I8A9](#), [Q9YIB9](#), [Q309Z6](#), [Q0PGG7](#), [Q9XTA5](#)
Sequence **NH2-DLDLEMLAPYIPMDDDFQL-COOH**

HIF - 1 {alpha} (556 - 574) - Additional Information

Gene ID 100135944

Other Names

Hypoxia-inducible factor 1-alpha, HIF-1-alpha, HIF1-alpha, hif1a

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

HIF - 1 {alpha} (556 - 574) - Protein Information

Name hif1a

Function

Functions as a master transcriptional regulator of the adaptive response to hypoxia. Under hypoxic conditions, activates the transcription of over 40 genes, including erythropoietin, glucose transporters, glycolytic enzymes, vascular endothelial growth factor, HILPDA, and other genes whose protein products increase oxygen delivery or facilitate metabolic adaptation to hypoxia. Plays an essential role in embryonic vascularization, tumor angiogenesis and pathophysiology of ischemic disease.

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:Q16665}. Nucleus {ECO:0000250|UniProtKB:Q16665}. Nucleus speckle {ECO:0000250|UniProtKB:Q61221}. Note=Cytoplasmic in normoxia, nuclear translocation in response to hypoxia. {ECO:0000250|UniProtKB:Q16665}

HIF - 1 {alpha} (556 - 574) - Images