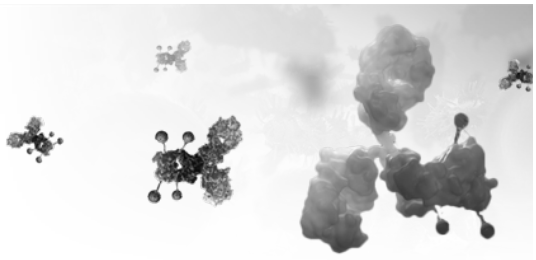

Human HIF3A peptide (DAG-P0628)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is the alpha-3 subunit of one of several alpha/beta-subunit heterodimeric transcription factors that regulate many adaptive responses to low oxygen tension (hypoxia). The alpha-3 subunit lacks the transactivation domain found in factors containing either the alpha-1 or alpha-2 subunits. It is thought that factors containing the alpha-3 subunit are negative regulators of hypoxia-inducible gene expression. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Mar 2011]
Specificity	Expressed in kidney. Expressed abundantly in lung epithelial cells. Expression is regulated in an oxygen-dependent manner.
Conjugate	Unconjugated
Sequence Similarities	Contains 1 basic helix-loop-helix (bHLH) domain.Contains 2 PAS (PER-ARNT-SIM) domains.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	HIF3A hypoxia inducible factor 3, alpha subunit [Homo sapiens (human)]
Official Symbol	HIF3A
Synonyms	HIF3A; hypoxia inducible factor 3, alpha subunit; IPAS; MOP7; PASD7; HIF-3A; bHLHe17; hypoxia-inducible factor 3-alpha; HIF3-alpha-1; member of PAS protein 7; inhibitory PAS domain protein; PAS domain-containing protein 7; basic-helix-loop-helix-PAS protein MOP7; class E basic helix-loop-helix protein 17;

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Entrez Gene ID	64344
mRNA Refseq	NM_022462.4
Protein Refseq	NP_071907.4
UniProt ID	Q9Y2N7
Chromosome Location	19q13.32
Pathway	Cellular response to hypoxia, organism-specific biosystem; Cellular responses to stress, organism-specific biosystem; Hypoxic and oxygen homeostasis regulation of HIF-1-alpha, organism-specific biosystem; Oxygen-dependent Proline Hydroxylation of Hypoxia-inducible Factor Alpha, organism-specific biosystem; Regulation of Gene Expression by Hypoxia-inducible Factor, organism-specific biosystem; Regulation of Hypoxia-inducible Factor (HIF) by Oxygen, organism-specific biosystem;
Function	DNA binding; protein dimerization activity; sequence-specific DNA binding transcription factor activity; signal transducer activity; transcription coactivator activity; transcription corepressor activity;

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