Recombinant Human HIF3A Protein, GST-tagged

Cat. No. HIF3A-4749H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HIF3A full-length ORF (AAH26308.1, 1 a.a. - 363 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. At least three transcript variants encoding three different isoforms have been found for this gene. [provided by RefSeq
Molecular Mass	65.67 kDa
AA Sequence	MALGLQRARSTTELRKEKSRDAARSRRSQETEVLYQLAHTLPFARGVSAHLDKASI MRLTISYLRMHRLCAAGEWNQVGAGGEPLDACYLKALEGFVMVLTAEGDMAYLSE NVSKHLGLSQLELIGHSIFDFIHPCDQEELQDALTPQQTLSRRKVEARTERCFSLRMK STLTSRGRTLNLKAATWKVLNCSGHMRAYKPPAQTSPAGSPDSEPPLQCLVLICEAI PHPGSLEPPLGRGAFLSRHSLDMKFTYCDDRIAEVAGYSPDDLIGCSAYEYIHALDS DAVSKSIHTCMYPISPGAKPAATWPPADTRTPQLPIPQDALPPHLNTSSLLPKPQGT VSFLAPSYPVPRSFSPHLPPWWP

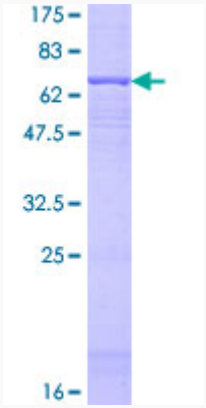
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	HIF3A hypoxia inducible factor 3, alpha subunit [Homo sapiens]
Official Symbol	HIF3A
Synonyms	HIF3A; hypoxia inducible factor 3, alpha subunit; hypoxia-inducible factor 3-alpha; bHLHe17; IPAS; MOP7; PASD7; 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; HIF-3A;
Gene ID	64344
mRNA Refseq	NM_022462
Protein Refseq	NP_071907
MIM	609976
UniProt ID	Q9Y2N7

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Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue.

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