

# Recombinant Full Length Human HIF3A Protein, GST-tagged

**Cat. No.** HIF3A-3468HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human HIF3A full-length ORF ( AAH26308.1, 1 a.a. - 363 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | 363 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | 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] |
| <b>Molecular Mass</b>   | 65.67 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>AA Sequence</b>      | MALGLQRRARSTTEL RKEKSRDAARSRRSQETEVLYQLAHTLPFARGVSAHLDKASI<br>MRLTISYLRMHRLCAAGEWNQVGAGGEPLDACYLKALEGFVMVLTAEGDMAYLSE<br>NVSKHLGLSQLELIGHSIFDFIHPCDQEELQDALTPQQTL SRRKVEARTERCFSLRMK<br>STLT SRGRTLNLKAATWKVLNCSG HMRAYKPPAQTSPAGSPDSEPP LQCLVLICEAI<br>PHPGSLEPPLGRGAFLSRHSLDMKFTYCDDRIA EVAGYSPDDLIGCSAYEYIHALDS<br>DAVSKSIHTCMYPISPGAKPAATWPPADTRTPQLPI PQDALPPHLNTSSLLPKPQGT                                                                                                                                                                                                  |

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|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         | VSFLAPSYVPVPRSFSPHLPPWWP                                                                                                                                                                                                                                                                                                    |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                                                                                                                                                                                           |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                                                                                                                                      |
| <b>Storage</b>          | Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                     |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                                                    |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                             |
| <b>Gene Name</b>        | HIF3A hypoxia inducible factor 3, alpha subunit [ Homo sapiens ]                                                                                                                                                                                                                                                            |
| <b>Official Symbol</b>  | HIF3A                                                                                                                                                                                                                                                                                                                       |
| <b>Synonyms</b>         | HIF3A; hypoxia inducible factor 3, alpha subunit; hypoxia-inducible factor 3-alpha;<br>bHLHe17; IPAS; MOP7; PASD7; HIF3-alpha-1; member of PAS protein 7; inhibitory<br>PAS domain protein; PAS domain-containing protein 7; basic-helix-loop-helix-PAS<br>protein MOP7; class E basic helix-loop-helix protein 17; HIF-3A; |
| <b>Gene ID</b>          | 64344                                                                                                                                                                                                                                                                                                                       |
| <b>mRNA Refseq</b>      | NM_022462                                                                                                                                                                                                                                                                                                                   |
| <b>Protein Refseq</b>   | NP_071907                                                                                                                                                                                                                                                                                                                   |
| <b>MIM</b>              | 609976                                                                                                                                                                                                                                                                                                                      |

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UniProt ID

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