

Product datasheet for AR39117PU-N

HIF1A / HIF1 alpha (530-826) Human Protein

Product data:

OriGene Technologies, Inc.

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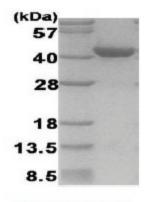
| Product Type: | Recombinant Proteins |
|--|---|
| Description: | HIF1A / HIF1 alpha (530-826) human recombinant protein, 0.1 mg |
| Species: | Human |
| Expression Host: | E. coli |
| Expression cDNA Clone or AA Sequence: | MEFKLELVEK LFAEDTEAKN PFSTQDTDLD LEMLAPYIPM DDDFQLRSFD QLSPLESSSA SPESASPQST VTVFQQTQIQ EPTANATTTT ATTDELKTVT KDRMEDIKIL IASPSPTHIH KETTSATSSP YRDTQSRTAS PNRAGKGVIE QTEKSHPRSP NVLSVALSQR TTVPEEELNP KILALQNAQR KRKMEHDGSL FQAVGIGTLL QQPDDHAATT SLSWKRVKGC KSSEQNGMEQ KTIILIPSDL ACRLLGQSMD ESGLPQLTSY DCEVNAPIQG SRNLLQGEEL LRALDQVN |
| Predicted MW: | 32.8 kDa |
| Concentration: | lot specific |
| Purity: | >95% |
| Buffer: | Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 7.5) containing 1 mM DTT |
| Preparation: | Liquid purified protein |
| Protein Description: | Recombinant Hif-1 alpha (530-826 residues) was expressed in E.coli and purified by using conventional chromatography techniques. |
| Storage: | Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| RefSeq: | <u>NP 001230013</u> |
| Locus ID: | 3091 |
| UniProt ID: | <u>Q16665</u> |
| Cytogenetics: | 14q23.2 |
| Synonyms: | bHLHe78; HIF-1-alpha; HIF-1A; HIF-1alpha; HIF1; HIF1-ALPHA; MOP1; PASD8 |
| | |



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| | HIF1A / HIF1 alpha (530-826) Human Protein – AR39117PU-N |
|------------------|--|
| Summary: | 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. [provided by RefSeq, Jul 2011] |
| Protein Families | : Transcription Factors |
| Protein Pathwa | ys: mTOR signaling pathway, Pathways in cancer, Renal cell carcinoma |

Product images:



15% SDS-PAGE (3ug)

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