

Product datasheet for SC214052

HIF1A (NM_181054) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: HIF1A (NM_181054) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: HIF1A
Synonyms: bHLHe78; HIF-1-alpha; HIF-1A; HIF-1alpha; HIF1; HIF1-ALPHA; MOP1; PASD8
ACCN: NM_181054
Insert Size: 1349 bp
Insert Sequence: >SC214052 3'UTR clone of NM_181054
 The sequence shown below is from the reference sequence of NM_181054. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TCACTTTTTCAAGCAGTAGGAATTATTTCATGTAGACTGCTGGGCAATCAATGGATGAAAGTGGAT
TACCACAGCTGACCAGTTATGATTTGGAAGTTAATGCTCCTATACAAGGCAGCAGAAACCTACTGCAGG
GTGAAGAATTACTCAGAGCTTTGGATCAAGTTAACTGAGCTTTTTCTTAATTTTCATTCTTTTTTTGGA
CACTGGTGGCTCATTACCTAAAGCAGTCTATTTATATTTTCTACATCTAATTTTAGAAGCCTGGCTACA
ATACTGCACAACTTGGTTAGTTCATTTTATGATCCCTTTCTACTTAATTTACATTAATGCTTTTTTTT
AGTATGTTCTTTAATGCTGGATCACAGACAGCTCATTCTCAGTTTTTTGGTATTTAAACCATTGCAT
TGCAGTAGCATCATTTTAAAAAATGCACCTTTTTATTTATTTTGGCTAGGGAGTTTATCCCTTT
TTCGAATTATTTTAAAGAAGATGCCAATAAATTTTGTAAAGAAGGCAGTAACCTTTCATCATGATCAT
AGGCAGTTGAAAAATTTTACACCTTTTTTTCACATTTTACATAAATAAATGCTTTGCCAGCAGTA
CGTGGTAGCCACAATTGCACAATATATTTTCTTAAAAAATACCAGCAGTTACTCATGGAATATATTCTG
CGTTTATAAAAAGTATTTTAAAGAAGAAATTTTTTTGGCCTATGAAATTGTTAAACCTGGAACATGAC
ATTGTTAATCATATAAATGATTTCTTAAATGCTGTATGGTTTATTATTTAAATGGGTAAAGCCATTTA
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GAGAAATCATCTGATGTTTCTATAGTCACTTTGCCAGCTCAAAAGAAAACAATACCTATGTAGTTGTG
GAAGTTTATGCTAATATTGTGTAAGTATTAACCTAAATGTTCTGCCTACCTGTTGGTATAAAGA
TATTTTGGCAGACTGTAACAAGAAAAAATCATGCATTCTTAGCAAAATGCTAGTATGTTAA
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TCAATAATTGAGTAATTTTAGAAGCATTATTTTAGGAATATATAGTTGTACAGTAAATATCTTGTTTT
TTCTATGTACATTGTACAAATTTTTCATTCCTTTTGTCTTTTGTGTTGGATCTAACACTAACTGTATT
GTTTTGTACATCAAATAAACATCTTCTGTGGACCAGG
ACGCGTAAGCGGCCGCGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
  
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Restriction Sites:	Sgfl-Mlul
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_181054.3
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]
Locus ID:	3091
MW:	53.2