

## Product datasheet for **SC213108**

### HIF1A (NM\_001530) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	HIF1A (NM_001530) Human 3' UTR Clone
Symbol:	HIF1A
Synonyms:	bHLHe78; HIF-1-alpha; HIF-1A; HIF-1alpha; HIF1; HIF1-ALPHA; MOP1; PASD8
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001530
Insert Size:	1203 bp
Insert Sequence:	>SC213108 3'UTR clone of NM_001530

The sequence shown below is from the reference sequence of NM\_001530. 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
TTACTCAGAGCTTTGGATCAAGTTAACTGAGCTTTTTCTTAATTTCAATTCCTTTTTTTGGACTGGTG
GCTCATTACCTAAAGCAGTCTATTTATATTTCTACATCTAATTTAGAACCTGGCTACAATACTGCA
CAAACCTGGTTAGTTCAATTTTGATCCCCTTTCTACTTAATTTACATTAATGCTCTTTTTAGTATGTT
CTTTAATGCTGGATCACAGACAGCTCATTTTCTCAGTTTTTTGGTATTTAAACCATTGCATTGCAGTAG
CATCATTTTTAAAAATGCACCTTTTTATTTATTTATTTTGGCTAGGGAGTTATCCCTTTTTCGAATT
ATTTTTAAGAAGATGCCAATATAATTTTTGTAAGAAGGCAGTAACCTTTTCATCATGATCATAGGCAGTT
GAAAAATTTTTACACCTTTTTTTTACATTTTACATAAAATAAATGCTTTGCCAGCAGTACGTGGTAG
CCACAATTGCACAATATATTTTCTTAAAAAATACCAGCAGTTACTCATGGAATATATTCTGCGTTTATA
AACTAGTTTTTAAAGAAGAAATTTTTTTGGCCTATGAAATTGTTAAACCTGGAACATGACATTGTTAA
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ATCTGATGTTTCTATAGTCACTTTGCCAGCTCAAAGAAAACCAATACCCTATGTAGTTGGGAAGTTTA
TGCTAATATTGTGTAAGTATTTAAACCTAAATGTTCTGCCTACCCTGTTGGTATAAAGATATTTTGA
GCAGACTGTAAACAAGAAAAAATCATGCATTCTTAGCAAAATGGCTAGTATGTTAATTTGCTCA
AAATACAATGTTTATGCTATTTGCTGCTATTAACATCCTTTTTTTCATGTAGATTTCAATAAT
TGAGTAATTTTAGAAGCATTATTTTAGGAATATAGTTGTCACAGTAAATATCTGTTTTTCTATGT
ACATTGTACAAATTTTTTCAATCCTTTTGTCTTTTGTGGTGGATCTAACACTAACTGATTGTTTTGTT
ACATCAAATAACATCTTCTGTGGACCAGG
ACGCGTAAGCGGCCGCGCATCTAGATTGGAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCCTTCTATGAAAGG
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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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.
<b>RefSeq:</b>	<u><a href="#">NM_001530.4</a></u>
<b>Summary:</b>	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]
<b>Locus ID:</b>	3091
<b>MW:</b>	47.4