

Product datasheet for **SC222457**

HIF1AN (NM_017902) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	HIF1AN (NM_017902) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	HIF1AN
Synonyms:	FIH1
ACCN:	NM_017902
Insert Size:	2000 bp



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Insert Sequence: >SC222457 3'UTR clone of NM_017902
 The sequence shown below is from the reference sequence of NM_017902. 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
AACACAATGATCAAGGGCCGATACAACAGCCTGCCAGGGGTCAAGGCCTCTGCCAGGTGACTGCTAT
CCCGTCCACACCCTTCAATTGATGAGGACAGGAGACTCCAAGCGTAGTATTGCACGCTGCACTTAATG
GACTGGACTCTTGCCATGGCCCAGGAGTCAAGTGTGGAGCGAGGCAGGGCAGTTGGCACTCCACTCC
TATTTGGAGGGACTTCATACCCTTGCCCTTGTGCCCCAGCACCTTCTCTCTGCCCCCGCTAAAG
TCCTGCATTCAAGTGTGGAGTCCAGCTTTTGGTTGTCATCATGTCTGTGTGTATGTTAGTCTGTCAA
CTTCGGAATGTGTGCGTGTGTGCATGCACACGCATGTATGTATCTGTTCCCTGTTCTCTGGGTCA
GGCTGTCACTTCCGGCTCTCAGCCCTATCTCCTGCAACCTCAGTGCCTCAGCCTGAGAGAGAGATGAGA
TGCTCTTGACTCCCACTGCATCTGGGCTGCAGGGCCAGAGCTAGTCTGACCATTAGGTGAGTCTGCC
TCCTGACAGTTTTTGCAGTCAAGCTCTAGGCGGTATGGGAATGGCTACCGGGACTCTAATGGGGTGA
AAGAGAGGGGAGGCTTGCCCTTGGAGGCCATATAGCCTTCTGTGAGAGAGGATTAGATAGGGTTCCA
ACTGGGCTACAAGCTCAAGCCATACATAAAAGGACCTTGGGACATAAGAACCAATGATTGTGCATAAG
TTCTAAATTAGAGACACATATAGTTTCTCTCTTTCAGCACAGCTCTTGGCCCTATGCTGGGTACCAAG
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TGCTTACTTTTTCCAGTGGGACAGTACAGTGTGAGCCCCGGGAAGTACTGCCTGACCTATCCTAAGCT
TTTACACTTGGATTTTAGCCATCATATGTTGCCAGGTCTCACTGCAGCCTGCCCGAGGCTAACTGGCT
AGAGCCTCCAGGCCATGATGCTCCCTGCCAGGCCATATCCTTTATTCTGCTGAGCTTCTGGCTG
AATAGATGAAATGGGGTCAAGCCAGGCAGCTCATTCACTACCTGTGATCCACCTCAGGGCACGGGCAA
ACACATAGGCTTGCGTCTTAAAGCCAGCTCCTCTGCCAGACCCGTTGTAATGTGCCACAACACCCTCA
ATAGTCAGGGCAACTGGTGGAGCATGGAAGTCAATTTCTTTTCTGTTAGGAGCTACTCTGGGAACC
CCTCTCAGGGCTGCAGCTTACAGGTGGCAGCTGTGATTGCACAACCTGAAGGGCCATCATTACATCT
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TCTTCATCACCTTCTCTGGAAGGGAAGAGGAGTGGAAAGTCTCTGGTTTTCTTTCTTTTTTTTTTTT
TTTTTGCCAAAGTTTACTTCCAGCATCTGAGCTCTGGCTCTCACCCCTGAAGCTCAGTTATAGTGAC
TGATGAACTGAGAGGATGCGTGTGGATGTGTGTGCATGCCTGAGTGCCTTTTTTGGGGAGGGGTGTTA
TTTTTAGTACCCATTCTGGGGTCTCTGATGCAGTGTGGATGTGAAGATATGGTACCTTCTCAAGTGT
AGCTCTTTCAAATATAGTCAATGCTGGGAAATGTGATTGCAGTGTCTATCTCCTCACTTCTTTTTGG
GAAAGAGGAGCACAGGAGCGGAGGAAAACTTGGCCACAGTCACACTTGGAAAGATAGTAGATTATTT
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

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_017902.3](#)

Summary:

Hydroxylates HIF-1 alpha at 'Asn-803' in the C-terminal transactivation domain (CAD). Functions as an oxygen sensor and, under normoxic conditions, the hydroxylation prevents interaction of HIF-1 with transcriptional coactivators including Cbp/p300-interacting transactivator. Involved in transcriptional repression through interaction with HIF1A, VHL and histone deacetylases. Hydroxylates specific Asn residues within ankyrin repeat domains (ARD) of NFKB1, NFKBIA, NOTCH1, ASB4, PPP1R12A and several other ARD-containing proteins. Also hydroxylates Asp and His residues within ARDs of ANK1 and TNKS2, respectively. Negatively regulates NOTCH1 activity, accelerating myogenic differentiation. Positively regulates ASB4 activity, promoting vascular differentiation.[UniProtKB/Swiss-Prot Function]

Locus ID:

55662

MW:

73.1