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Product datasheet for SC123540

HIF3 alpha (HIF3A) (BC026308) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HIF3 alpha (HIF3A) (BC026308) Human Untagged Clone
Tag:	Tag Free
Symbol:	HIF3 alpha
Synonyms:	bHLHe17; HIF-3A; HIF-3A2; HIF-3A4; hypoxia-inducible factor-3 alpha 4; hypoxia inducible factor 3, alpha subunit; inhibitory PAS domain protein; IPAS; MOP7; PASD7
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

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Fully Sequenced ORF:

>OriGene sequence for BC026308 edited
TGGGAGCGGCGACTGGCGAGCCATGGCGCTGGGGCTGCAGCGCGCAAGGTCGACCACGGA
GCTGCGCAAGGAAAAGTCCCGGGATGCGGCCCGCAGCCGGCGCAGCCAGGAGACCGAGGT
GCTGTACCAGCTAGCTCACACGCTGCCCTTCGCCCGCGGCGTCAGCGCCCACCTGGACAA
GGCCTCTATCATGCGCCTCACCATCAGCTACCTGCGCATGCACCGCCTCTGCGCCGCAGG
GGAGTGGAACCAGGTGGGAGCAGGGGGAGAACCACTGGATGCCTGCTACCTGAAGGCCCT
GGAGGGCTTCGTCATGGTGCTCACCGCCGAGGGAGACATGGCTTACCTGTCGGAGAATGT
CAGCAAACACCTGGGCCTCAGTCAGCTGGAGCTCATTGGACACAGCATCTTTGATTTCAT
CCACCCCTGTGACCAAGAGGAGCTTCAGGACGCCCTGACCCCCCAGCAGACCCTGTCCAG
GAGGAAGGTGGAGGCCCGCACGGAGCGGTGCTTCTCCTTGCGCATGAAGAGTACGCTCAC
CAGCCGCGGGCGCACCCTCAACCTCAAGGCGGCCACCTGGAAGGTGCTGAACTGCTCTGG
ACATATGAGGGCCTACAAGCCACCTGCGCAGACTTCTCCAGCTGGGAGCCCTGACTCAGA
GCCCCCGCTGCAGTGCCTGGTGCTCATCTGCGAAGCCATCCCCCACCCAGGCAGCCTGGA
GCCCCCACTGGGCCGAGGGGCCTTCCTCAGCCGCCACAGCCTGGACATGAAGTTCACCTA
CTGTGACGACAGGATTGCAGAAGTGGCTGGCTATAGTCCCGATGACCTGATCGGCTGTTC
CGCCTACGAGTACATCCACGCGCTGGACTCCGACGCGGTCAGCAAGAGCATCCACACCTG
TATGTATCCCATTTCCCCAGGTGCGAAGCCAGCTGCCACATGGCCCCCAGCTGACACCAG
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TGAGCAAGGGCCAGGCAGTAACAGGGCAGTATCGCTTCCTGGCCCGGAGTGGTGGCTACC
TGTGGACCCAGACCCAGGCCACAGTGGTGTCAGGGGGACGGGGCCCCCAGTCGGAGAGTA
TCGTCTGTGTCCATTTTTTAATCAGGTAAGCAGGAGGAGGGGCTGGGGTGGCTGTGTGTG
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TAAGTGGATTGTTAATTCAAATTAGAAAGGGGTCTTTATTTGGCCTGGCATGGTGGCTCA
TGCCTGTAATCCTAGCACTTTGGGAGGCTGAGGTGGGCGGATTGCCTGAGCTCAGGAGTT
CGAAACCAGCCTGGGCAACATGACGAAATGCTGTTTCTGCTAATAATACCAAAAATTAGC
CGGGTGTGGTGACACATGCCTGTGATCCCAACTACTCGGGAGGCTGAGGCACGAGAATCA
TTAGAACCCGGGTGGTGGAGGCTGCAGTGAGCCGAGATTGCGTCAGTGCACTCTGGCCTC
GGCAACAGAGCGAGACTCTGTCTCAAACAAACAAACAAACAAACAAAAGGACTCTATATT
CAAGTTAAAATAAGAAGTGTAACAGAATCATGGGGTCTTTTTTGCTTTTTAAATTTTGAT
GTGGCTCACGCCTGTAAATCCCAAGGTGTTGGGATTACAGGCGTGAGCCACTGCACCCGG
CCCATGTTGTGGTTTATATCAGTAGTTCCTTTGTAAATAGTGAACAGTATTCCATGGTAT
GAATAGAGCACAGTTTTTTTTTTTATCCATTCACCAGTTAGAAGACATTGGGCTGTTTCC
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TCACATGTTTTCATTTCTCTTGGGTAAACAGCTAGGATTGGAATGGATGGGTTATATAGT
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CCAGTACTTTGGGAAGCCAAGGAAGGAGGATGACTAGAGCCTCTGAGGTGAAGACCAGCC
TGGGCAAAGTGGTTAAGACTCAACCGCAAAAAAAGAAAAACAGAAAACCTGAAAACAAAC
CAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence:

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>OriGene 5' read for BC026308 unedited
GAACCCACTTCGTATAGCATACATTATTTTTAATTATGGATCAGGCCAAATCGGCCGAGC
TCGAATTCGTCGAGAGCGTGGGAGCGGCGACTGGCGAGCCATGGCGCTGGGGCTGCAGCG
CGCAAGGTCGACCACGGAGCTGCGCAAGGAAAAGTCCCGGGATGCGGCCCGCAGCCGGCG
CAGCCAGGAGACCGAGGTGCTGTACCAGGGGGCTCACACGCTGCCCTTCGCCCGCGGCGT
CAGCGCCCACCTGGACAAGGCCTCTATCATGCGCCTCACCATCAGCTACCTGCGCATGCA
CCGCCTCTGCGCCGCAGGGGAGTGGAACCAGGTGGGAGCAGGGGGAGAACCACTGGATGC
CTGCTACCTGAAGGCCCTGGAGGGCTTCGTCATGGTGCTCACCGCCGAGGGAGACATGGC
TTACCTGTCGGAGAATGTCAGCAAACACCTGGGCCTCAGTCAGCTGGAGCTCATTGGACA
CAGCATCTTTGATTTCATCCACCCCTGTGACCAAGAGGAGCTTCAGGACGCCCTGACCCC
CCAGCAGACCCTGTCCAGGAGGAAGGTGGAGGCCCGCACGGAGCGGTGCTTCTCCTTGCG
CATGAAGAGTACGCTCACCAGCCGCGGGCGCACCCTCAACCTCAAGGCGGCCACCTGGAA
GGTGCTGAACTGCTCTGGACATATGAGGGCCTACAAGCCACCTGCGCAGACTTCTCCAGC
TGGGAGCCCTGACTCAGAAGCCCCGCTGCAGTGCCTGGTGCTCATCTGCGAAGCCATCCC
CCACCCAGGCAGCCTGGAGCCCCCCACTGGCCGAGGGGCCTTNCTCAGCCGCCACAGCCT
GGACATGAAGTTC
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Restriction Sites: Please inquire

ACCN: BC026308

Insert Size: 2477 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: BC026308.1, AAH26308.1

RefSeq Size: 2477 bp

Locus ID: 64344

Cytogenetics: 19q13.32

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: 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. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Mar 2011]