

Product datasheet for **MR224295**

Hif3a (NM_016868) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hif3a (NM_016868) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hif3a
Synonyms:	bHLHe17; lpas; MOP7; NEPAS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR224295 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC
 GCC

ATGGACTGGGACCAAGACAGGTGCAACACCCGAGCTGCGGAAGGAGAAGTCGCGGGACCGGCCCGCAGCC
 GCGCAGCCAGGAGACGGAGGTGCTGTACCAGCTGGCGCACACTTGCCCTTTGCGCGCGGCGTCAGCGC
 GCACCTGGACAAGGCCTCCATCATGCGCCTCACAATCAGCTACCTGCGCATGCACCGCCTCTGCGCAGCA
 GGGGAGTGAACAGGTGAAAAAGGGGAGAGCCACTGGACGCCTGCTACCTGAAGGCCCTGGAGGGTT
 TCGTCATGGTACTACCGCCGAGGGAGACATGGCTTACCTGTGCGAAAATGTCAGCAAGCACCTGGGCCCT
 CAGTCAGTGGAGCTCATTGGACACAGTATCTTTGATTTTATCCATCCCTGTGACCAAGAGGAACCTCAA
 GACGCCCTGACCCCGAGCCGAACCTGTCAAAGAAGAAGCTGGAAGCCCCAACAGAGCGCCACTTTTCCC
 TGCGAATGAAGAGCACGCTCACCAGCAGAGGGCGCAGCTCAACCTCAAAGCGGCCACCTGGAAGGTGCT
 GCACTGCTCAGGACATATGAGGGCTACAAGCCCCTGCACAGACTTCCCCTGCCGGGAGCCCTCGTCC
 GAGCCTCCCCTGCAATGCCTGGTGTATCTGTGAAGCCATCCCCACCCAGCCAGTCTGGAGCCCCCGC
 TGGGCCGAGGGGCTTTCTCAGTCGCCACAGCCTGGACATGAAGTTCACATACTGCGACGAGAGGATTGC
 AGAAGTTGCTGGCTACAGTCTGATGACCTGATTGGCTGTTCTGCCTATGAATACATCCACGCTTTGGAC
 TCTGATGCGGTACAGCAGGAGCATCCACACTTTGTTGAGCAAGGGCCAGGCAGTAACGGGGCAGTATCGCT
 TCCTGGCCCGACTGGAGGCTATCTGTGGACTCAGACTCAGGCTACAGTGGTGTGAGGGGGCGGGGCC
 CCAGTCGGAAGTATCATCTGCGTCCACTTCTGATCAGCCGTGTAGAAGAGACCGGAGTGGTGTGTCT
 CTGGAACAAACGGAGCAACATACTCGCAGACCCCTCGGCTGAGTGCCTCCTCGCAGAAGGGTATCCCTG
 CCAACAGTGTAGACTCTCCTGCTCCGCGGATCCTGGCCTTCTGCACCCCTCCGGCCCTGAGTGGGCCCTC
 CCTGGCTGCTGACCCTCGCCGTTTCTGTAGTCCAGACCTGCGCCGCTCATGGCACCCATCCTGGATGGA
 CCTCCCCAGCTGCCACGCCAGCACCCACAAGCTACACGAGACCCCAAAGTCTCTTCCGGCTGATC
 TCCCAGATAAGTTGGCAGTGGGCTTGGAAAATGCACACAGACTCTCCACTGCCAGAAAAACAAGACCGT
 GGAGACAGATCTAGATATAGCTCAGGACTCTGACACTCTGGACTTGGAGATGCTGGCCCCCTACATCTCC
 ATGGATGATGACTTCCAGCTCACTCCAGTGAATGCCCCAAAGTCCACCGCAGACCTCCAGGGTGG
 CCCGAGGCCCGTGTGCTCGGAGCTTCCATGGCCTGTGCTCCTATCCCTGAGCCCTCCCTACTGCCCG
 CTGGGGGAGTGATCCACGACTGAACTGTTCCAGTCTTCCAGGGCGATCGCCCCACAGCCTCCCTGATG
 CCTGGAAGTGGAAAGAGGGCCTTGGCCCAGAGCTCAGAGGACAAAGGGTTGGAGCTGCTGGAAGTAAAG
 CTCCCAAGCGGTCCCAAGACTAGAACCTGGAAGCTTCTGCTGCCTCCGCTCAGCCTGAGTTTCTTCT
 GCAAGGTGCAAACTCCTGGAAACCAGCAGGATCCCAGAGCCCCCTCGTGCATTCTCATGAGCCCTTG
 GGCTAGCTCCCTCGTCTCTCTGCCAGCATGAGGAAACTGTCCAGCCAGGAACCGCTTCCCGC
 CAGCAGCAGGCTTGGCCAGACCCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

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: [NM_016868.1](#), [NM_016868.2](#), [NM_016868.3](#), [NP_058564.2](#)

RefSeq Size: 6947 bp

RefSeq ORF: 1989 bp

Locus ID: 53417

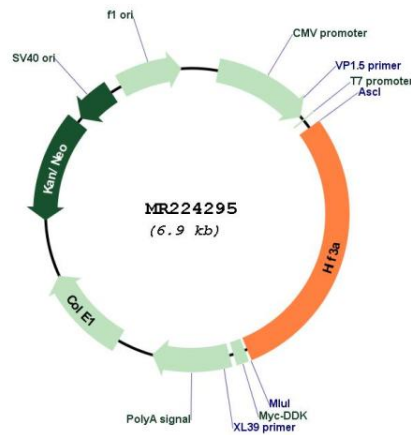
UniProt ID: [Q0VBL6](#)

Cytogenetics: 7 A2

MW: 73 kDa

Gene Summary: Acts as a transcriptional regulator in adaptive response to low oxygen tension. Acts as a regulator of hypoxia-inducible gene expression (PubMed:9840812, PubMed:11734856, PubMed:21546903). Plays a role in the development of the cardiorespiratory system (PubMed:18070924).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR224295