

Product datasheet for **MC220251**

Hif3a (NM_016868) Mouse Untagged Clone

Product data:

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



[View online »](#)

Fully Sequenced ORF: >MC220251 representing NM_016868
 Red=Cloning site Blue=ORF Orange=Stop codon

CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC
 GCC

ATGGACTGGACCAAGACAGGTGCAACACCCAGCTGCGGAAGGAGAAGTCGCGGGACCGGCCCGCAGCC
 GCGCAGCCAGGAGACGGAGGTGCTGTACCAGCTGGCGCACACTTGCCCTTTCGCGCGGGCTCAGCGC
 GCACCTGGACAAGGCCTCCATCATGCGCCTCACAATCAGCTACCTGCGCATGCACCCCTCTGCGCAGCA
 GGGGAGTGAACAGGTGAAAAAGGGGAGAGCCACTGGACGCCTGCTACCTGAAGGCCCTGGAGGGTT
 TCGTCATGGTACTACCGCCGAGGGAGACATGGCTTACCTGTCGAAAAATGTCAGCAAGCACCTGGCCCT
 CAGTCAGCTGGAGCTCATTGGACACAGTATCTTTGATTTTATCCATCCCTGTGACCAAGAGGAATTCAA
 GACGCCCTGACCCCGAGCCGAACCTGTCAAAGAAGAAGCTGGAAGCCCCAACAGAGCGCCACTTTTCCC
 TCGAATGAAGAGCACGCTCACCAGCAGAGGGCGCAGCTCAACCTCAAAGCGGCCACCTGGAAGGTGCT
 GCACTGCTCAGGACATATGAGGGCTACAAGCCCCTGCACAGACTTCCCCTGCCGGGAGCCCTCGTCC
 GAGCCTCCCCTGCAATGCCTGGTGTATCTGTGAAGCCATCCCCACCCAGCCAGTCTGGAGCCCCCGC
 TGGGCCGAGGGGCTTTCTCAGTCGCCACAGCCTGGACATGAAGTTCACATACTGCGACGAGAGGATTGC
 AGAAGTTGCTGGCTACAGTCTGATGACCTGATTGGCTGTTCTGCCTATGAATACATCCACGCTTTGGAC
 TCTGATGCGGTGACGAGGAGCATCCACACTTTGTTGAGCAAGGGCCAGGCAGTAACGGGGCAGTATCGCT
 TCCTGGCCCGACTGGAGGCTATCTGTGGACTCAGACTCAGGCTACAGTGGTGTGAGGGGGCGGGGCC
 CCAGTCGAAAGTATCATCTGCTCCACTTCTGATCAGCCGTGTAAGAAGACCCGAGTGGTGTGTCT
 CTGGAACAAACGGAGCAACATACTCGCAGACCCCTCGGCTGAGTGCCTCCTCGCAGAAGGGTATCCCTG
 CAACAGTGTAGACTCTCTGCTCCGCGGATCCTGGCCTTCTGCACCCCTCCGGCCCTGAGTGGGCCTC
 CTGGCTGCTGACCCCTCGCCGTTTCTGTAGTCCAGACCTGCGCCGCTCATGGCACCCATCCTGGATGGA
 CCTCCCCAGCTGCCACGCCAGCACCCACAAGCTACACGAGACCCCAAAGTCTCTTCCGGCTGATC
 TCCCAGATAAGTTGACAGTGGGCTTGGAAAATGCGCACAGACTCTCCACTGCCAGAAAAACAAGACCGT
 GGAGACAGATCTAGATATAGCTCAGGACCTGACACTCTGGACTTGAGATGCTGGCCCCCTACATCTCC
 ATGGATGATGACTTCCAGCTCAACTCCAGCGAGCAATTGCCAAAGTCCACCGCAGACCTCCAGGGTGG
 CCCGAGGCCCGTGTCTCGGAGCTTCCATGGCCTGTGCTCCTATCCCTGAGCCCTCCCTACTACCCCG
 CTGGGGGAGTGATCCACGACTGAACTGTTCCAGTCTTCCAGGGCGATCGCCCCACAGCCTCCCTGATG
 CCTGGAAGTCTGGAAGAGGGCCTTGGCCAGAGCTCAGAGGACAAAGGGTTGGAGTGTCTGGAAGTAAAGC
 CGCCAAAGCGGTCCCAAGACTAGAACCTGGAAGCTTCTGCTGCTCCGCTCAGCTGAGTTTCTTCT
 GCAAGGTCGACAACTCCCGGGGAACAGCAGGATCCCAGAGCCCCCTCGTGCATTCTCATGAGCCCTTG
 GGCTAGCTCCCTCGTGTCTCTCTGCCAGCATGAGGAACTGTCCAGCCAGGAACCGCTTCCCGC
 CAGCAGCAGGCTTGGGCCAGACCCACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** AscI-MluI
- ACCN:** NM_016868
- Insert Size:** 1989 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: [NM_016868.3](#), [NP_058564.2](#)

RefSeq Size: 6947 bp

RefSeq ORF: 1989 bp

Locus ID: 53417

UniProt ID: [Q0VBL6](#)

Cytogenetics: 7 A2

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]
Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (2) has a shorter and distinct N-terminus compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.