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Product datasheet for MC220252

Hif3a (NM_001162950) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hif3a (NM_001162950) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hif3a
Synonyms:	bHLHe17; Ipas; MOP7; NEPAS
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

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Fully Sequenced ORF:

>MC220252 representing NM_001162950
Red=Cloning site Blue=ORF Orange=Stop codon

CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC
GCCC

ATGGCGTTGGGGCTGCAGCGCGTGAGGTCGAACACCGAGCTGCGGAAGGAGAAGTCGCGGGACGCGGCCC
GCAGCCGGCGCAGCCAGGAGACGGAGGTGCTGTACCAGCTGGCGCACACTCTGCCCTTTGCGCGCGGCGT
CAGCGCGCACCTGGACAAGGCCTCCATCATGCGCCTCACAATCAGCTACCTGCGCATGCACCGCCTCTGC
GCAGCAGGGGAGTGGAACCAGGTGGAAAAAGGGGGAGAGCCACTGGACGCCTGCTACCTGAAGGCCCTGG
AGGGTTTCGTCATGGTACTCACCGCCGAGGGAGACATGGCTTACCTGTCGGAAAATGTCAGCAAGCACCT
GGGCCTCAGTCAGCTGGAGCTCATTGGACACAGTATCTTTGATTTTATCCATCCCTGTGACCAAGAGGAA
CTTCAAGACGCCCTGACCCCCAGGCCGAACCTGTCAAAGAAGAAGCTGGAAGCCCCAACAGAGCGCCACT
TTTCCCTGCGAATGAAGAGCACGCTCACCAGCAGAGGGCGCACGCTCAACCTCAAAGCGGCCACCTGGAA
GGTGCTGCACTGCTCAGGACATATGAGGGCCTACAAGCCCCCTGCACAGACTTCCCCTGCCGGGAGCCCT
CGCTCCGAGCCTCCCCTGCAATGCCTGGTGCTTATCTGTGAAGCCATCCCCCACCCAGCCAGTCTGGAGC
CCCCGCTGGGCCGAGGGGCCTTTCTCAGTCGCCACAGCCTGGACATGAAGTTCACATACTGCGACGAGAG
GATTGCAGAAGTTGCTGGCTACAGTCCTGATGACCTGATTGGCTGTTCTGCCTATGAATACATCCACGCT
TTGGACTCTGATGCGGTCAGCAGGAGCATCCACACTTTGTTGAGCAAGGGCCAGGCAGTAACGGGGCAGT
ATCGCTTCCTGGCCCGGACTGGAGGCTATCTGTGGACTCAGACTCAGGCTACAGTGGTGTCAGGGGGGCG
GGGCCCCCAGTCGGAAAGTATCATCTGCGTCCACTTCCTGATCAGCCGTGTAGAAGAGACCGGAGTGGTG
CTGTCTCTGGAACAAACGGAGCAACATACTCGCAGACCCCCTCGGCTGAGTGCCTCCTCGCAGAAGGGTA
TCCCTGGCAACAGTGTAGACTCTCCTGCTCCGCGGATCCTGGCCTTCCTGCACCCTCCGGCCCTGAGTGA
GGCCTCCCTGGCTGCTGACCCTCGCCGTTTCTGTAGTCCAGACCTGCGCCGCCTCATGGCACCCATCCTG
GATGGACCTCCCCCAGCTGCCACGCCCAGCACCCCACAAGCTACACGGAGACCCCAAAGTCCTCTTCCGG
CTGATCTCCCAGATAAGTTGACAGTGGGCTTGGAAAATGCGCACAGACTCTCCACTGCCCAGAAAAACAA
GACCGTGGAGACAGATCTAGATATAGCTCAGGACCCTGACACTCTGGACTTGGAGATGCTGGCCCCCTAC
ATCTCCATGGATGATGACTTCCAGCTCAACTCCAGCGAGCAATTGCCCAAAGTCCACCGCAGACCTCCCA
GGGTGGCCCGCAGGCCCCGTGCTCGGAGCTTCCATGGCCTGTCGCCTCCTATCCCTGAGCCCTCCCTACT
ACCCCGCTGGGGGAGTGATCCACGACTGAACTGTTCCAGTCCTTCCAGGGGCGATCGCCCCACAGCCTCC
CTGATGCCTGGAACTCGGAAGAGGGCCTTGGCCCAGAGCTCAGAGGACAAAGGGTTGGAGCTGCTGGAAA
CTAAGCCGCCCAAGCGGTCCCCAAGACTAGAACCTGGAAGCTTCCTGCTGCCTCCGCTCAGCCTGAGTTT
CCTTCTGCAAGGTCGACAACTCCCGGGGAACCAGCAGGATCCCAGAGCCCCCCTCGTGCATTCTCATGAG
CCCTTGGGCCTAGCTCCCTCGCTGCTCTCTCTCTGCCAGCATGAGGAAACTGTCCAGCCCAGGAACCGCT
TCCCGCCAGCAGCAGGCTTGGGCCAGACCCACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: AscI-MluI

ACCN: NM_001162950

Insert Size: 1995 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_001162950.1, NP_001156422.1
RefSeq Size:	6916 bp
RefSeq ORF:	1995 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 (1) encodes the longer 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.