

Product datasheet for **MC207016**

Higd1a (NM_019814) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Higd1a (NM_019814) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Higd1a
Synonyms:	2210020B17Rik; 7420700H20Rik; AI303276; AW049839; Higd1; HIMP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC207016 representing NM_019814. Blue=ORF Red=Cloning site Green=Tag(s)

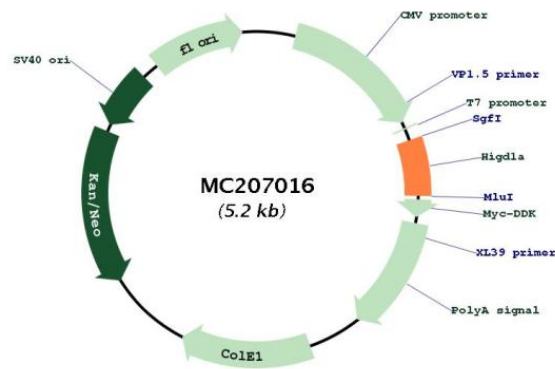
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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCAACCAACACAGACCTTTCTCTCTTCATACGATGAAGGTGAGGGTCTAAGTTTATTCGGAAA
GCTAAGGAGACACCGTTTGTCCCATTGGAATGGCGGGCTTTCAGCGATTGTTGCCTATGGTTGTAC
AAGCTGAAGAGCAGAGGAAATACAAAGATGTCCATTCATTGATCCACATGCGTGTAGCAGCCCAGGGC
TTTGTGTGGGGCCATGACTCTTGGTATGGGCTACTCCATGTATCAGGAATTCTGGCCAAACCCTAAG
CCTAAGCCTTAG
ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



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Plasmid Map:



ACCN: NM_019814

Insert Size: 288 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_019814.4](#)

RefSeq Size: 1873 bp

RefSeq ORF: 288 bp

Locus ID: 56295

UniProt ID: [Q9JLR9](#)

Cytogenetics: 9 F4

MW: 10.4 kDa

Gene Summary: Proposed subunit of cytochrome c oxidase (COX, complex IV), which is the terminal component of the mitochondrial respiratory chain that catalyzes the reduction of oxygen to water. May play a role in the assembly of respiratory supercomplexes (By similarity).
[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (5) differs in the 5' UTR compared to variant 1. All six variants encode the same protein.