OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC207788

MYO3A (NM_017433) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones

Product Name: MYO3A (NM_017433) Human 3' UTR Clone

Vector: pMirTarget (PS100062)

Symbol: MYO3A

Synonyms: DFNB30

ACCN: NM_017433

Insert Size: 599 bp

Insert Sequence:

>SC207788 3'UTR clone of NM_017433
The sequence shown below is from the reference sequence of NM_017433. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CAGCGCCGGCGCCTCGTCCAGCAGTCCTAACCGTTCAACGAGGCAGTCACCGCCGTCGGAAGGCGCTGG
AGCCTGCGGGGCAGCAGGGGCCAAGCAGGCACTCTGGGGCTGGCACCAGCAGGCACTGAAGCTGCGGCC
CTGATCTCCGCAGAGGCTGCCTGCTGCGCTCGGCCCTCAAGTGCCCGGGCCGGCCTTCGTGCTCCGAAA
CAAGAGACCTGGGAGCCCTCGGGAAACCTCCCCCGACGCTCTCTCTCGGAACTCCCGCACCCTCCTTTC
TCACCAGCCCGCCAGTTGTGGCAACCCTGTCCTTGTTCCCCTAATCTATCACTTTGTTCTTTTTTTTTG
TGACTCCTGTGGACTCCACTGCGCCTGGGATCTCGCCAACCCCTCTCTCATTTGGGGTGACTGAATTCA
CAGATTTTTTTTTTTATTGGAAACGGCTTTTCTTGGCCAACAGAACACTTGCTAGCGGTTGAATCTTAG
AGAAAAAAGCCCGGGAGGGGTGGGGAGAATTTCGAAGATGTATTTCATCTCAAGCTTGCTCTTTCTCTT
CCTTTGGTTATTAAGGTCACTAAATAAAGGAAGTGCCTTGGAAAACC
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

View online »

RefSeq: NM_017433.5

Summary: The protein encoded by this gene belongs to the myosin superfamily. Myosins are actin-dependent motor proteins and are categorized into conventional myosins (class II) and unconventional myosins (classes I and III through XV) based on their variable C-terminal cargo-binding domains. Class III myosins, such as this one, have a kinase domain N-terminal to the conserved N-terminal motor domains and are expressed in photoreceptors. The protein encoded by this gene plays an important role in hearing in humans. Three different recessive, loss of function mutations in the encoded protein have been shown to cause nonsyndromic progressive hearing loss. Expression of this gene is highly restricted, with the strongest expression in retina and cochlea. [provided by RefSeq, Jul 2008]

Locus ID: 53904

MW: 21.9