

## Product datasheet for RC224736

### Myosin VIIa (MYO7A) (NM\_000260) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Myosin VIIa (MYO7A) (NM_000260) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Myosin VIIa
Synonyms:	DFNA11; DFNB2; MYOVIIA; MYU7A; NSRD2; USH1B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC224736 representing NM_000260 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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**Protein Sequence:** >RC224736 representing NM\_000260  
 Red=Cloning site Green=Tags(s)

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**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8045\\_c05.zip](https://cdn.origene.com/chromatograms/mk8045_c05.zip)

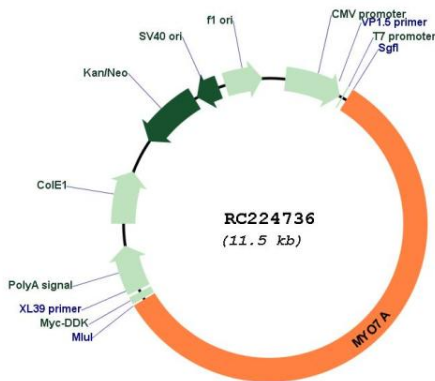
**Restriction Sites:** SgfI-MluI



**RefSeq:** [NM\\_000260.1, NP\\_000251.1](#)  
**RefSeq Size:** 7465 bp  
**RefSeq ORF:** 6648 bp  
**Locus ID:** 4647  
**UniProt ID:** [Q13402](#)  
**Cytogenetics:** 11q13.5  
**MW:** 254.2 kDa

**Gene Summary:** This gene is a member of the myosin gene family. Myosins are mechanochemical proteins characterized by the presence of a motor domain, an actin-binding domain, a neck domain that interacts with other proteins, and a tail domain that serves as an anchor. This gene encodes an unconventional myosin with a very short tail. Defects in this gene are associated with the mouse shaker-1 phenotype and the human Usher syndrome 1B which are characterized by deafness, reduced vestibular function, and (in human) retinal degeneration. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2008]

### Product images:



Circular map for RC224736