

Product datasheet for **MR223457**

Myh14 (NM_028021) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myh14 (NM_028021) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Myh14
Synonyms:	2400004E04Rik; II-C; NHMCII; NMHC II-C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR223457 representing NM_028021 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGC**

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Protein Sequence:

>MR223457 representing NM_028021
 Red=Cloning site Green=Tags(s)

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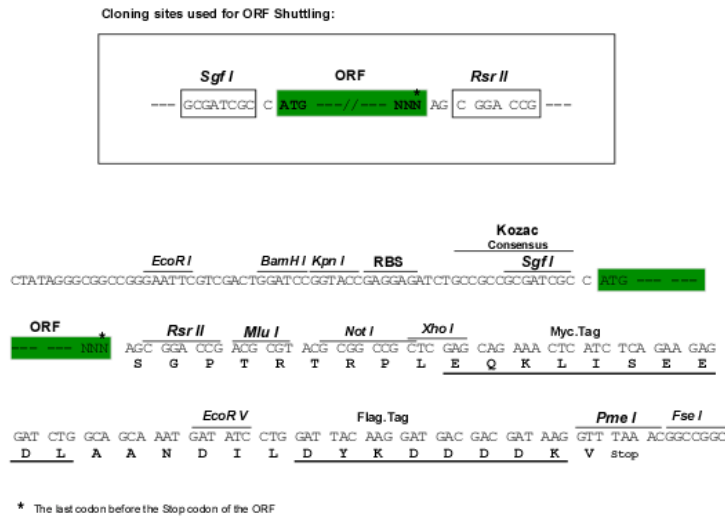
SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9041_g05.zip

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_028021

ORF Size: 5976 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

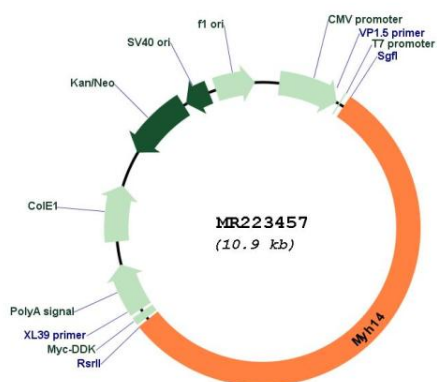
RefSeq: [NM_028021.3](#), [NP_082297.1](#)

RefSeq Size: 6376 bp

RefSeq ORF: 5979 bp

Locus ID:	71960
UniProt ID:	Q6URW6
Cytogenetics:	7 B3
MW:	228.2 kDa
Gene Summary:	Cellular myosin that appears to play a role in cytokinesis, cell shape, and specialized functions such as secretion and capping.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR223457