

Product datasheet for MR221640

Myo5a (NM_010864) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myo5a (NM_010864) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Myo5a
Synonyms:	9630007J19Rik; AI413174; AI661011; d; d-120J; Dbv; flail; flr; MVa; Myo5; MyoVA; Sev-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR221640 representing NM_010864 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence:

>MR221640 representing NM_010864
 Red=Cloning site Green=Tags(s)

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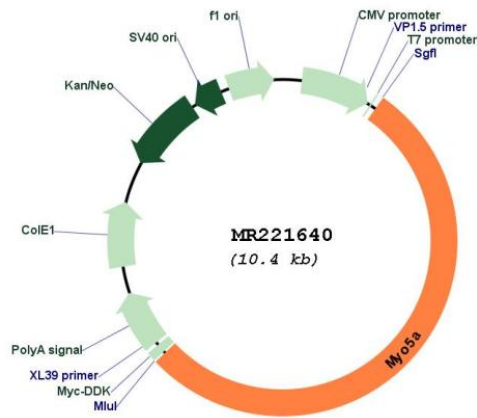
Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



ACCN: NM_010864

ORF Size: 5559 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:	<ol style="list-style-type: none">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_010864.2 , NP_034994.2
RefSeq Size:	11684 bp
RefSeq ORF:	5562 bp
Locus ID:	17918
UniProt ID:	Q99104
Cytogenetics:	9 42.26 cM
MW:	215.5 kDa
Gene Summary:	Processive actin-based motor that can move in large steps approximating the 36-nm pseudo-repeat of the actin filament. Involved in melanosome transport. Also mediates the transport of vesicles to the plasma membrane. May also be required for some polarization process involved in dendrite formation.[UniProtKB/Swiss-Prot Function]