

Product datasheet for MR220495

Muc6 (NM_181729) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Muc6 (NM_181729) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Muc6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR220495 representing NM_181729, codon optimized . Due to the complexity of NM_181729, the ORF clone is codon optimized for mammalian Expression. The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

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TGCCAATGCACCATGGGGCGGTGGACGTGCACAAAGCAGCCATGCCCCGGCCACTGTAGTCTGGAGGGG
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GTGTA AAAAT

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Protein Sequence:

>MR220495 representing NM_181729
Red=Cloning site Green=Tags(s)

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PHTSVPVIYTTSAITQTKTSFSTDRTSTSTSAPHLSETS AVTAHQSTPTAVSANSIKPTMSSSTGTPVVHT
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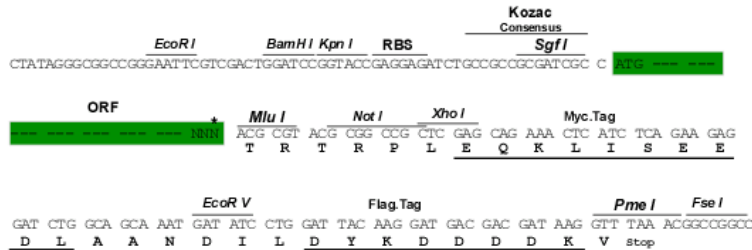
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_181729

ORF Size: 8550 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.

RefSeq: [NM_181729.1](#), [NM_181729.2](#), [NM_181729.3](#), [NP_859418.1](#)
RefSeq Size: 8787 bp

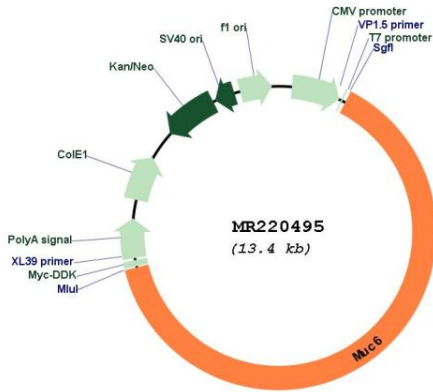
RefSeq ORF: 8553 bp

Locus ID: 353328

Cytogenetics: 7 87.03 cM

MW: 300.4 kDa

Product images:



Circular map for MR220495