

Product datasheet for **MR215373**

Gm1123 (NM_001080776) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Gm1123
Synonyms:	AV052824; CLSP
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR215373 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCTGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTGTCTTCTGCTGGGCTTCTGTTCTGTGTGGAGTCACGGATCACATTGGGAGTGTGAGCATCACTA
CTCCAGAGCAGACAATTCAGGAAGTCCAAGGGGAACTGTCCATCTGCCCTGCATGTTCACTCTTAGCCC
TGAGGACCAAGGACCGTTGGACATTGAGTGGCTTCGGCTTTCAGGACCTAATAATGAGGCGATGGACCAT
GTGATTATTTTGTATGCTGTAGATAAAATTTATTCTGACTTCTATCAAGATATGAGAGGGCAGTGAATT
TTACAAGTAATGGTATCAGTCTGGCGAAGCGTCCATAAAAAATAAGAGATGTTTCAGCCTGCAGACAGTGG
CACCTACCTGTGCAAAGTGAAAACAGCCCCCTGGTGTGCCAAGACAACCGTTCAGCTGACAGTTGTTGAT
TACATTGGGAGTGTGAGCATCACTACTCCAGAGCAGACAATTGAGAAAGACCAAGGGGAACTGTCCATC
TGCCCTGCATGTTACCTTTATCTCCAAGGACCAAGGACCGTTGAACATCGAGTGGCTTCGGCTTTCAGG
ACCTAATAATGAAGCGATGGACCATGTGGTTATTTATATTCTGCAGACAAAATTCATGACGACGTCTAT
CCAGATCTAAAAGGACGAGTGTATTTACAAGTAATGATATCAAGTCTGGTGATGCATCCATAAATATAA
CAATGTCCAGCTCTCGGATGCTGGCACTTATCAGTGCAAGGTGAAACATACCCTGGCACTGTCAACAG
GAACCTCCAGCTGGCTGTCACTGATCACATTGGGAGTGTGAGCATCACTACTCCAGAGCAGACAATTGAG
AAAGCCCGAGGGGAACTGTCCATCTGCCCTGCACGTTACCCCTTAGCCCTGAGGACCATGGACCACTGT
TCATTGACTGGATGCAGCTTACTGGACCTCAAAATGAGGTGGTGAACCGCATGTTTATTGTATTTAGC
AGACAAGATTTACGACAATTCTATCAAGATATGAAAGGACGTGTGCAATTTACAAGTAATGACATCAGG
TCTGGTGAGGCATCTATAAATACTGATGCTCGGCTCTCTGACGCTGGCACCTATCAGTGTGGAGTGT
CCCATGCCCTTGGTACTGCCAAGGGACCATTCAGCTGACAGTTGTTGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>MR215373 protein sequence
Red=Cloning site Green=Tags(s)

MVFLGLGFLFCGVTDHIGSVSITTPEQTIQEVQGETVHLPCMFTLSPEDQGGLDIEWRLSGPNNEAMDH
 VIILYAVDKIYSDFYQDMGRGVNFTSNGITSGEASIKIRDVQPADSGTYLCKVKTAPGVAKTTVQLTVVD
 YIGSVSITTPEQTIIEKDQGETVHLPCMFTFISKDQGPLNIEWRLSGPNNEAMDHVILYSAADKHDDVY
 PDLKGRVYFTSNDIKSGDASINITNVLQDSAGTYQCKVKTPGTVNRNLQLAVTDHIGSVSITTPEQTIQ
 KGETVHLPCFTLSPEDHGFLFDIWMQLTGPQNEVNRMFIVYLADKIYDNFYQDMKGRVQFTSNDIR
 SGAESINITDARLSDAGTYQCGSVHAFGTAKTGLITVVG

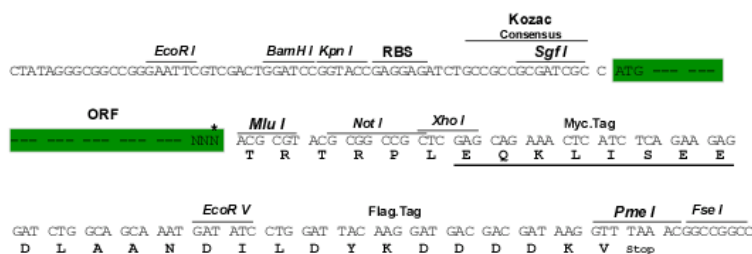
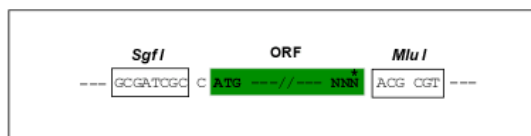
TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN:

NM_001080776

ORF Size:

1170 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_001080776.1](#), [NP_001074245.1](#)

RefSeq Size: 1337 bp

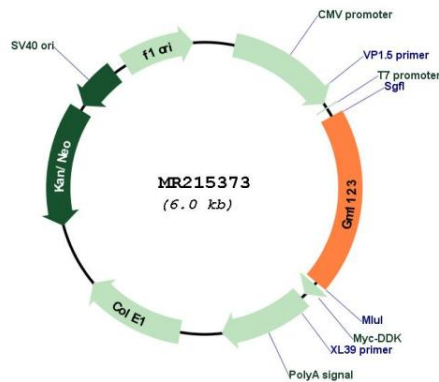
RefSeq ORF: 1173 bp

Locus ID: 382097

Cytogenetics: 9 E3.3

MW: 43 kDa

Product images:



Circular map for MR215373