

Product datasheet for **RR203966**

MIst8 (NM_022404) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MIst8 (NM_022404) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: MIst8
Synonyms: Gbl
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR203966 representing NM_022404
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAATACCACCCAGGCACAGTGGGCAGTGACCCTGTCATCTTAGCAACTGCAGGCTATGACCACACAG
TGCCTTTTGGCAGGCTCACAGTGAATCTGCACTCGAACAGTGCAGCATCAGGACTCTCAGGTGAATGC
ATTGGAGATCACTCCAGACCGGAGCATGATTGCTGCTGCAGGTTACCAACATATCCGCATGTATGATCTC
AACTCCAATAACCCCAACCCATCATCAGTTATGACGGAGTCACTAAGAACATCGCATCAGTGGGTTTTTC
ATGAGGATGGCCGCTGGATGTATACAGGTGGAGAGGACTGCACGGCTCGCATCTGGGACCTCAGGTCCCCG
GAACCTGCAGTGTGAGCGTATCTTCCAGGTGAATGCACCCATTAATTGCGTGTGTCTACATCCCAACCAG
GCAGAACTCATCGTGGGTGACCAGAGCGGTGCTATCCACATCTGGGACCTGAAGACAGACCACAATGAGC
AGCTGATCCCTGAGCCTGAGTTTTCCATCACATCTGCCACATTGACCCCGATGCCAGCTACATGGCGGC
AGTCAATAGTGCCGAAACTGCTTTGTCTGGAACCTGACGGGGGCATTGGTGACGAGGTGACTCAGCTC
ATCCCAAGACCAAGATCCAGCCACACGCGCTACGCCCTGCAGTCCCGCTTCCAGCCCGACTCCACGT
TACTTGCGACCTGTTGCGCTGACCAGAGCTGAAAATCTGGAGGACATCCAACCTCTCCCTGATGACAGA
ACTCAGCATCAAGAGTAGTAACCCCGGAGAGTCATCCCGTGGCTGGATGTGGGGCTGCGCCTTCTCAGGG
GATTTCCAGTATATCGTCACAGTCTCTCAGACAACTGGCCCGCTCTGGTGTGTAGAGACTGGAGAGA
TCAAGAGAGAGTATGGTGGCCATCAGAAAGCTGTCGTCTGCTTGGCCTTCAACGACAGCGTCTGGGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR203966 representing NM_022404
Red=Cloning site Green=Tags(s)

MNTTPGTVGSDPVILATAGYDHTVRFWQAHSGICTRTVQHQSQVNALEITPDRSMIAAAGYQHIRMVYDL
 NSNNPNPIISYDGVSKNIASVGFHEDGRWMTGGEDCTARIWDLRSRNLQCQRIFQVNAPINCVCLHPNQ
 AELIVGDQSGAIIHWDLKTDHNEQLIPEPEFSITSAHIDPDASYMAAVNSAGNCFVWNL TGGIGDEVTL
 IPKTKIPAHTRYALQCRFSPDSTLLATCSADQTCKIWRTSNFSLMTELSIKSSNPGESSRGWMMWGCASF
 DSQYIVTASSDNLARLWCVETGEIKREYGGHQKAVVCLAFNDSVLG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

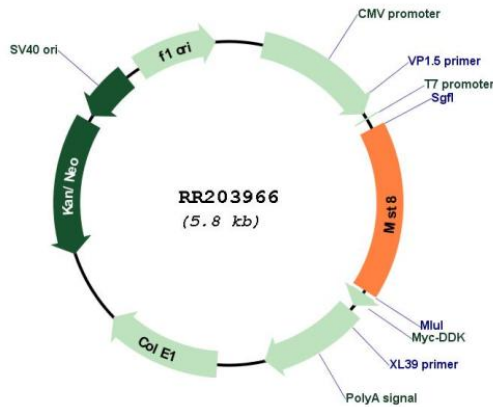
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_022404

ORF Size: 978 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_022404.2 , NP_071799.2
RefSeq Size:	3601 bp
RefSeq ORF:	981 bp
Locus ID:	64226
UniProt ID:	Q9Z2K5
Cytogenetics:	10q12
MW:	35.9 kDa
Gene Summary:	cytosolic protein similar to an insulin receptor [RGD, Feb 2006]